A. Polynomes du second degré:

1. Avec des solutions entières:

Les polynomes ci-dessous possèdent deux racines entières.

- $f(x) = -9x^2 - 9x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 9 - 9x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 9x - 9x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -8x^2 - 8x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 8 - 8x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 8x - 8x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -7x^2 - 7x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 7 - 7x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 7x - 7x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -6x^2 - 6x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 6 - 6x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 6x - 6x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -5x^2 - 5x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 5 - 5x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 5x - 5x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -4x^2 - 8x$
  $\mathcal{S} = \{-2\,;\,0\}$
- $f(x) = -4x^2 - 4x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = -4x^2 - 4x + 8$
  $\mathcal{S} = \{1\,;\,-2\}$
- $f(x) = 4 - 4x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 4x - 4x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -4x^2 + 4x + 8$
  $\mathcal{S} = \{2\,;\,-1\}$
- $f(x) = 8x - 4x^2$
  $\mathcal{S} = \{0\,;\,2\}$
- $f(x) = -3x^2 - 9x - 6$
  $\mathcal{S} = \{-2\,;\,-1\}$
- $f(x) = -3x^2 - 9x$
  $\mathcal{S} = \{-3\,;\,0\}$
- $f(x) = -3x^2 - 6x$
  $\mathcal{S} = \{-2\,;\,0\}$
- $f(x) = -3x^2 - 6x + 9$
  $\mathcal{S} = \{-3\,;\,1\}$
- $f(x) = -3x^2 - 3x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = -3x^2 - 3x + 6$
  $\mathcal{S} = \{1\,;\,-2\}$
- $f(x) = 3 - 3x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 3x - 3x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -3x^2 + 3x + 6$
  $\mathcal{S} = \{2\,;\,-1\}$
- $f(x) = 6x - 3x^2$
  $\mathcal{S} = \{0\,;\,2\}$
- $f(x) = -3x^2 + 6x + 9$
  $\mathcal{S} = \{3\,;\,-1\}$
- $f(x) = -3x^2 + 9x - 6$
  $\mathcal{S} = \{1\,;\,2\}$
- $f(x) = 9x - 3x^2$
  $\mathcal{S} = \{0\,;\,3\}$
- $f(x) = -2x^2 - 8x - 6$
  $\mathcal{S} = \{-3\,;\,-1\}$
- $f(x) = -2x^2 - 8x$
  $\mathcal{S} = \{-4\,;\,0\}$
- $f(x) = -2x^2 - 6x - 4$
  $\mathcal{S} = \{-2\,;\,-1\}$
- $f(x) = -2x^2 - 6x$
  $\mathcal{S} = \{-3\,;\,0\}$
- $f(x) = -2x^2 - 6x + 8$
  $\mathcal{S} = \{1\,;\,-4\}$
- $f(x) = -2x^2 - 4x$
  $\mathcal{S} = \{-2\,;\,0\}$
- $f(x) = -2x^2 - 4x + 6$
  $\mathcal{S} = \{-3\,;\,1\}$
- $f(x) = -2x^2 - 2x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = -2x^2 - 2x + 4$
  $\mathcal{S} = \{1\,;\,-2\}$
- $f(x) = 2 - 2x^2$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 8 - 2x^2$
  $\mathcal{S} = \{-2\,;\,2\}$
- $f(x) = 2x - 2x^2$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = -2x^2 + 2x + 4$
  $\mathcal{S} = \{2\,;\,-1\}$
- $f(x) = 4x - 2x^2$
  $\mathcal{S} = \{0\,;\,2\}$
- $f(x) = -2x^2 + 4x + 6$
  $\mathcal{S} = \{3\,;\,-1\}$
- $f(x) = -2x^2 + 6x - 4$
  $\mathcal{S} = \{1\,;\,2\}$
- $f(x) = 6x - 2x^2$
  $\mathcal{S} = \{0\,;\,3\}$
- $f(x) = -2x^2 + 6x + 8$
  $\mathcal{S} = \{4\,;\,-1\}$
- $f(x) = -2x^2 + 8x - 6$
  $\mathcal{S} = \{3\,;\,1\}$
- $f(x) = 8x - 2x^2$
  $\mathcal{S} = \{0\,;\,4\}$
- $f(x) = -x^2 - 9x - 8$
  $\mathcal{S} = \{-8\,;\,-1\}$
- $f(x) = -x^2 - 9x$
  $\mathcal{S} = \{-9\,;\,0\}$

- $f(x) = -x^2 - 8\,x - 7$
  $\mathcal{S} = \left\{-7\,;\,-1\right\}$
- $f(x) = -x^2 - 8\,x$
  $\mathcal{S} = \left\{-8\,;\,0\right\}$
- $f(x) = -x^2 - 8\,x + 9$
  $\mathcal{S} = \left\{-9\,;\,1\right\}$
- $f(x) = -x^2 - 7\,x - 6$
  $\mathcal{S} = \left\{-6\,;\,-1\right\}$
- $f(x) = -x^2 - 7\,x$
  $\mathcal{S} = \left\{-7\,;\,0\right\}$
- $f(x) = -x^2 - 7\,x + 8$
  $\mathcal{S} = \left\{1\,;\,-8\right\}$
- $f(x) = -x^2 - 6\,x - 8$
  $\mathcal{S} = \left\{-2\,;\,-4\right\}$
- $f(x) = -x^2 - 6\,x - 5$
  $\mathcal{S} = \left\{-5\,;\,-1\right\}$
- $f(x) = -x^2 - 6\,x$
  $\mathcal{S} = \left\{-6\,;\,0\right\}$
- $f(x) = -x^2 - 6\,x + 7$
  $\mathcal{S} = \left\{1\,;\,-7\right\}$
- $f(x) = -x^2 - 5\,x - 6$
  $\mathcal{S} = \left\{-3\,;\,-2\right\}$
- $f(x) = -x^2 - 5\,x - 4$
  $\mathcal{S} = \left\{-4\,;\,-1\right\}$
- $f(x) = -x^2 - 5\,x$
  $\mathcal{S} = \left\{-5\,;\,0\right\}$
- $f(x) = -x^2 - 5\,x + 6$
  $\mathcal{S} = \left\{-6\,;\,1\right\}$
- $f(x) = -x^2 - 4\,x - 3$
  $\mathcal{S} = \left\{-3\,;\,-1\right\}$
- $f(x) = -x^2 - 4\,x$
  $\mathcal{S} = \left\{-4\,;\,0\right\}$
- $f(x) = -x^2 - 4\,x + 5$
  $\mathcal{S} = \left\{-5\,;\,1\right\}$
- $f(x) = -x^2 - 3\,x - 2$
  $\mathcal{S} = \left\{-2\,;\,-1\right\}$
- $f(x) = -x^2 - 3\,x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = -x^2 - 3\,x + 4$
  $\mathcal{S} = \left\{1\,;\,-4\right\}$
- $f(x) = -x^2 - 2\,x$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = -x^2 - 2\,x + 3$
  $\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = -x^2 - 2\,x + 8$
  $\mathcal{S} = \left\{-4\,;\,2\right\}$
- $f(x) = -x^2 - x$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = -x^2 - x + 2$
  $\mathcal{S} = \left\{1\,;\,-2\right\}$
- $f(x) = -x^2 - x + 6$
  $\mathcal{S} = \left\{-3\,;\,2\right\}$
- $f(x) = 1 - x^2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = 4 - x^2$
  $\mathcal{S} = \left\{-2\,;\,2\right\}$
- $f(x) = 9 - x^2$
  $\mathcal{S} = \left\{-3\,;\,3\right\}$
- $f(x) = x - x^2$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = -x^2 + x + 2$
  $\mathcal{S} = \left\{2\,;\,-1\right\}$
- $f(x) = -x^2 + x + 6$
  $\mathcal{S} = \left\{3\,;\,-2\right\}$
- $f(x) = 2\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = -x^2 + 2\,x + 3$
  $\mathcal{S} = \left\{3\,;\,-1\right\}$
- $f(x) = -x^2 + 2\,x + 8$
  $\mathcal{S} = \left\{-2\,;\,4\right\}$
- $f(x) = -x^2 + 3\,x - 2$
  $\mathcal{S} = \left\{1\,;\,2\right\}$
- $f(x) = 3\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = -x^2 + 3\,x + 4$
  $\mathcal{S} = \left\{4\,;\,-1\right\}$
- $f(x) = -x^2 + 4\,x - 3$
  $\mathcal{S} = \left\{3\,;\,1\right\}$
- $f(x) = 4\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,4\right\}$
- $f(x) = -x^2 + 4\,x + 5$
  $\mathcal{S} = \left\{5\,;\,-1\right\}$
- $f(x) = -x^2 + 5\,x - 6$
  $\mathcal{S} = \left\{3\,;\,2\right\}$
- $f(x) = -x^2 + 5\,x - 4$
  $\mathcal{S} = \left\{1\,;\,4\right\}$
- $f(x) = 5\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,5\right\}$
- $f(x) = -x^2 + 5\,x + 6$
  $\mathcal{S} = \left\{6\,;\,-1\right\}$
- $f(x) = -x^2 + 6\,x - 8$
  $\mathcal{S} = \left\{4\,;\,2\right\}$
- $f(x) = -x^2 + 6\,x - 5$
  $\mathcal{S} = \left\{1\,;\,5\right\}$
- $f(x) = 6\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,6\right\}$
- $f(x) = -x^2 + 6\,x + 7$
  $\mathcal{S} = \left\{7\,;\,-1\right\}$
- $f(x) = -x^2 + 7\,x - 6$
  $\mathcal{S} = \left\{6\,;\,1\right\}$
- $f(x) = 7\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,7\right\}$
- $f(x) = -x^2 + 7\,x + 8$
  $\mathcal{S} = \left\{8\,;\,-1\right\}$
- $f(x) = -x^2 + 8\,x - 7$
  $\mathcal{S} = \left\{1\,;\,7\right\}$
- $f(x) = 8\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,8\right\}$
- $f(x) = -x^2 + 8\,x + 9$
  $\mathcal{S} = \left\{9\,;\,-1\right\}$
- $f(x) = -x^2 + 9\,x - 8$
  $\mathcal{S} = \left\{1\,;\,8\right\}$
- $f(x) = 9\,x - x^2$
  $\mathcal{S} = \left\{0\,;\,9\right\}$
- $f(x) = x^2 - 9\,x$
  $\mathcal{S} = \left\{0\,;\,9\right\}$
- $f(x) = x^2 - 9\,x + 8$
  $\mathcal{S} = \left\{1\,;\,8\right\}$
- $f(x) = x^2 - 8\,x - 9$
  $\mathcal{S} = \left\{9\,;\,-1\right\}$
- $f(x) = x^2 - 8\,x$
  $\mathcal{S} = \left\{0\,;\,8\right\}$
- $f(x) = x^2 - 8\,x + 7$
  $\mathcal{S} = \left\{1\,;\,7\right\}$
- $f(x) = x^2 - 7\,x - 8$
  $\mathcal{S} = \left\{8\,;\,-1\right\}$
- $f(x) = x^2 - 7\,x$
  $\mathcal{S} = \left\{0\,;\,7\right\}$
- $f(x) = x^2 - 7\,x + 6$

$\mathcal{S} = \left\{6\,;\,1\right\}$

- $f(x) = x^2 - 6\,x - 7$
  $\mathcal{S} = \left\{7\,;\,-1\right\}$
- $f(x) = x^2 - 6\,x$
  $\mathcal{S} = \left\{0\,;\,6\right\}$
- $f(x) = x^2 - 6\,x + 5$
  $\mathcal{S} = \left\{1\,;\,5\right\}$
- $f(x) = x^2 - 6\,x + 8$
  $\mathcal{S} = \left\{4\,;\,2\right\}$
- $f(x) = x^2 - 5\,x - 6$
  $\mathcal{S} = \left\{6\,;\,-1\right\}$
- $f(x) = x^2 - 5\,x$
  $\mathcal{S} = \left\{0\,;\,5\right\}$
- $f(x) = x^2 - 5\,x + 4$
  $\mathcal{S} = \left\{1\,;\,4\right\}$
- $f(x) = x^2 - 5\,x + 6$
  $\mathcal{S} = \left\{3\,;\,2\right\}$
- $f(x) = x^2 - 4\,x - 5$
  $\mathcal{S} = \left\{5\,;\,-1\right\}$
- $f(x) = x^2 - 4\,x$
  $\mathcal{S} = \left\{0\,;\,4\right\}$
- $f(x) = x^2 - 4\,x + 3$
  $\mathcal{S} = \left\{3\,;\,1\right\}$
- $f(x) = x^2 - 3\,x - 4$
  $\mathcal{S} = \left\{4\,;\,-1\right\}$
- $f(x) = x^2 - 3\,x$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = x^2 - 3\,x + 2$
  $\mathcal{S} = \left\{1\,;\,2\right\}$
- $f(x) = x^2 - 2\,x - 8$
  $\mathcal{S} = \left\{-2\,;\,4\right\}$
- $f(x) = x^2 - 2\,x - 3$
  $\mathcal{S} = \left\{3\,;\,-1\right\}$
- $f(x) = x^2 - 2\,x$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = x^2 - x - 6$
  $\mathcal{S} = \left\{3\,;\,-2\right\}$
- $f(x) = x^2 - x - 2$
  $\mathcal{S} = \left\{2\,;\,-1\right\}$
- $f(x) = x^2 - x$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = x^2 - 9$
  $\mathcal{S} = \left\{-3\,;\,3\right\}$
- $f(x) = x^2 - 4$
  $\mathcal{S} = \left\{-2\,;\,2\right\}$
- $f(x) = x^2 - 1$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = x^2 + x - 6$
  $\mathcal{S} = \left\{-3\,;\,2\right\}$
- $f(x) = x^2 + x - 2$
  $\mathcal{S} = \left\{1\,;\,-2\right\}$
- $f(x) = x^2 + x$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = x^2 + 2\,x - 8$
  $\mathcal{S} = \left\{-4\,;\,2\right\}$
- $f(x) = x^2 + 2\,x - 3$
  $\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = x^2 + 2\,x$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = x^2 + 3\,x - 4$
  $\mathcal{S} = \left\{1\,;\,-4\right\}$
- $f(x) = x^2 + 3\,x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = x^2 + 3\,x + 2$
  $\mathcal{S} = \left\{-2\,;\,-1\right\}$
- $f(x) = x^2 + 4\,x - 5$
  $\mathcal{S} = \left\{-5\,;\,1\right\}$
- $f(x) = x^2 + 4\,x$
  $\mathcal{S} = \left\{-4\,;\,0\right\}$
- $f(x) = x^2 + 4\,x + 3$
  $\mathcal{S} = \left\{-3\,;\,-1\right\}$
- $f(x) = x^2 + 5\,x - 6$
  $\mathcal{S} = \left\{-6\,;\,1\right\}$
- $f(x) = x^2 + 5\,x$
  $\mathcal{S} = \left\{-5\,;\,0\right\}$
- $f(x) = x^2 + 5\,x + 4$
  $\mathcal{S} = \left\{-4\,;\,-1\right\}$
- $f(x) = x^2 + 5\,x + 6$
  $\mathcal{S} = \left\{-3\,;\,-2\right\}$
- $f(x) = x^2 + 6\,x - 7$
  $\mathcal{S} = \left\{1\,;\,-7\right\}$
- $f(x) = x^2 + 6\,x$
  $\mathcal{S} = \left\{-6\,;\,0\right\}$
- $f(x) = x^2 + 6\,x + 5$
  $\mathcal{S} = \left\{-5\,;\,-1\right\}$
- $f(x) = x^2 + 6\,x + 8$
  $\mathcal{S} = \left\{-2\,;\,-4\right\}$
- $f(x) = x^2 + 7\,x - 8$
  $\mathcal{S} = \left\{1\,;\,-8\right\}$
- $f(x) = x^2 + 7\,x$
  $\mathcal{S} = \left\{-7\,;\,0\right\}$
- $f(x) = x^2 + 7\,x + 6$
  $\mathcal{S} = \left\{-6\,;\,-1\right\}$
- $f(x) = x^2 + 8\,x - 9$
  $\mathcal{S} = \left\{-9\,;\,1\right\}$
- $f(x) = x^2 + 8\,x$
  $\mathcal{S} = \left\{-8\,;\,0\right\}$
- $f(x) = x^2 + 8\,x + 7$
  $\mathcal{S} = \left\{-7\,;\,-1\right\}$
- $f(x) = x^2 + 9\,x$
  $\mathcal{S} = \left\{-9\,;\,0\right\}$
- $f(x) = x^2 + 9\,x + 8$
  $\mathcal{S} = \left\{-8\,;\,-1\right\}$
- $f(x) = 2\,x^2 - 8\,x$
  $\mathcal{S} = \left\{0\,;\,4\right\}$
- $f(x) = 2\,x^2 - 8\,x + 6$
  $\mathcal{S} = \left\{3\,;\,1\right\}$
- $f(x) = 2\,x^2 - 6\,x - 8$
  $\mathcal{S} = \left\{4\,;\,-1\right\}$
- $f(x) = 2\,x^2 - 6\,x$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = 2\,x^2 - 6\,x + 4$
  $\mathcal{S} = \left\{1\,;\,2\right\}$
- $f(x) = 2\,x^2 - 4\,x - 6$
  $\mathcal{S} = \left\{3\,;\,-1\right\}$
- $f(x) = 2\,x^2 - 4\,x$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = 2\,x^2 - 2\,x - 4$
  $\mathcal{S} = \left\{2\,;\,-1\right\}$
- $f(x) = 2\,x^2 - 2\,x$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = 2\,x^2 - 8$
  $\mathcal{S} = \left\{-2\,;\,2\right\}$
- $f(x) = 2\,x^2 - 2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = 2\,x^2 + 2\,x - 4$
  $\mathcal{S} = \left\{1\,;\,-2\right\}$
- $f(x) = 2\,x^2 + 2\,x$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$

- $f(x) = 2x^2 + 4x - 6$
  $\mathcal{S} = \{-3\,;\,1\}$
- $f(x) = 2x^2 + 4x$
  $\mathcal{S} = \{-2\,;\,0\}$
- $f(x) = 2x^2 + 6x - 8$
  $\mathcal{S} = \{1\,;\,-4\}$
- $f(x) = 2x^2 + 6x$
  $\mathcal{S} = \{-3\,;\,0\}$
- $f(x) = 2x^2 + 6x + 4$
  $\mathcal{S} = \{-2\,;\,-1\}$
- $f(x) = 2x^2 + 8x$
  $\mathcal{S} = \{-4\,;\,0\}$
- $f(x) = 2x^2 + 8x + 6$
  $\mathcal{S} = \{-3\,;\,-1\}$
- $f(x) = 3x^2 - 9x$
  $\mathcal{S} = \{0\,;\,3\}$
- $f(x) = 3x^2 - 9x + 6$
  $\mathcal{S} = \{1\,;\,2\}$
- $f(x) = 3x^2 - 6x - 9$
  $\mathcal{S} = \{3\,;\,-1\}$
- $f(x) = 3x^2 - 6x$
  $\mathcal{S} = \{0\,;\,2\}$
- $f(x) = 3x^2 - 3x - 6$
  $\mathcal{S} = \{2\,;\,-1\}$
- $f(x) = 3x^2 - 3x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 3x^2 - 3$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 3x^2 + 3x - 6$
  $\mathcal{S} = \{1\,;\,-2\}$
- $f(x) = 3x^2 + 3x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 3x^2 + 6x - 9$
  $\mathcal{S} = \{-3\,;\,1\}$
- $f(x) = 3x^2 + 6x$
  $\mathcal{S} = \{-2\,;\,0\}$
- $f(x) = 3x^2 + 9x$
  $\mathcal{S} = \{-3\,;\,0\}$
- $f(x) = 3x^2 + 9x + 6$
  $\mathcal{S} = \{-2\,;\,-1\}$
- $f(x) = 4x^2 - 8x$
  $\mathcal{S} = \{0\,;\,2\}$
- $f(x) = 4x^2 - 4x - 8$
  $\mathcal{S} = \{2\,;\,-1\}$
- $f(x) = 4x^2 - 4x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 4x^2 - 4$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 4x^2 + 4x - 8$
  $\mathcal{S} = \{1\,;\,-2\}$
- $f(x) = 4x^2 + 4x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 4x^2 + 8x$
  $\mathcal{S} = \{-2\,;\,0\}$
- $f(x) = 5x^2 - 5x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 5x^2 - 5$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 5x^2 + 5x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 6x^2 - 6x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 6x^2 - 6$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 6x^2 + 6x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 7x^2 - 7x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 7x^2 - 7$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 7x^2 + 7x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 8x^2 - 8x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 8x^2 - 8$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 8x^2 + 8x$
  $\mathcal{S} = \{-1\,;\,0\}$
- $f(x) = 9x^2 - 9x$
  $\mathcal{S} = \{0\,;\,1\}$
- $f(x) = 9x^2 - 9$
  $\mathcal{S} = \{-1\,;\,1\}$
- $f(x) = 9x^2 + 9x$
  $\mathcal{S} = \{-1\,;\,0\}$

2. Avec des solutions rationnelles :

Les polynomes ci-dessous possèdent deux racines possédant une écriture fractionnaire.

- $f(x) = -9x^2 - 9x - 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-\frac{1}{3}\right\}$
- $f(x) = -9x^2 - 9x + 4$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,\frac{1}{3}\right\}$
- $f(x) = -9x^2 - 6x$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,0\right\}$
- $f(x) = -9x^2 - 6x + 3$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-1\right\}$
- $f(x) = -9x^2 - 6x + 8$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = -9x^2 - 3x$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,0\right\}$
- $f(x) = -9x^2 - 3x + 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{1}{3}\right\}$
- $f(x) = -9x^2 - 3x + 6$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,-1\right\}$
- $f(x) = 1 - 9x^2$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{1}{3}\right\}$
- $f(x) = 4 - 9x^2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = 3x - 9x^2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,0\right\}$
- $f(x) = -9x^2 + 3x + 2$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = -9x^2 + 3x + 6$
  $\mathcal{S} = \left\{1\,;\,-\frac{2}{3}\right\}$
- $f(x) = 6x - 9x^2$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,0\right\}$
- $f(x) = -9x^2 + 6x + 3$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{3}\right\}$
- $f(x) = -9x^2 + 6x + 8$

$\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{4}{3}\right\}$

- $f(x) = -9\,x^2 + 9\,x - 2$
$\mathcal{S} = \left\{\frac{1}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = -9\,x^2 + 9\,x + 4$
$\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{4}{3}\right\}$
- $f(x) = -8\,x^2 - 8\,x + 6$
$\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = -8\,x^2 - 6\,x - 1$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,-\frac{1}{4}\right\}$
- $f(x) = -8\,x^2 - 6\,x$
$\mathcal{S} = \left\{-\frac{3}{4}\,;\,0\right\}$
- $f(x) = -8\,x^2 - 6\,x + 2$
$\mathcal{S} = \left\{\frac{1}{4}\,;\,-1\right\}$
- $f(x) = -8\,x^2 - 6\,x + 5$
$\mathcal{S} = \left\{-\frac{5}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = -8\,x^2 - 6\,x + 9$
$\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{3}{4}\right\}$
- $f(x) = -8\,x^2 - 4\,x$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = -8\,x^2 - 4\,x + 4$
$\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -8\,x^2 - 2\,x$
$\mathcal{S} = \left\{-\frac{1}{4}\,;\,0\right\}$
- $f(x) = -8\,x^2 - 2\,x + 1$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{4}\right\}$
- $f(x) = -8\,x^2 - 2\,x + 3$
$\mathcal{S} = \left\{-\frac{3}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = -8\,x^2 - 2\,x + 6$
$\mathcal{S} = \left\{\frac{3}{4}\,;\,-1\right\}$
- $f(x) = 2 - 8\,x^2$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x - 8\,x^2$
$\mathcal{S} = \left\{\frac{1}{4}\,;\,0\right\}$
- $f(x) = -8\,x^2 + 2\,x + 1$
$\mathcal{S} = \left\{-\frac{1}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = -8\,x^2 + 2\,x + 3$
$\mathcal{S} = \left\{\frac{3}{4}\,;\,-\frac{1}{2}\right\}$
- $f(x) = -8\,x^2 + 2\,x + 6$
$\mathcal{S} = \left\{-\frac{3}{4}\,;\,1\right\}$
- $f(x) = 4\,x - 8\,x^2$
$\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = -8\,x^2 + 4\,x + 4$
$\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = -8\,x^2 + 6\,x - 1$
$\mathcal{S} = \left\{\frac{1}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = 6\,x - 8\,x^2$
$\mathcal{S} = \left\{\frac{3}{4}\,;\,0\right\}$
- $f(x) = -8\,x^2 + 6\,x + 2$
$\mathcal{S} = \left\{1\,;\,-\frac{1}{4}\right\}$
- $f(x) = -8\,x^2 + 6\,x + 5$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{5}{4}\right\}$
- $f(x) = -8\,x^2 + 6\,x + 9$
$\mathcal{S} = \left\{-\frac{3}{4}\,;\,\frac{3}{2}\right\}$
- $f(x) = -8\,x^2 + 8\,x + 6$
$\mathcal{S} = \left\{\frac{3}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 - 9\,x - 3$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 9\,x$
$\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 9\,x + 6$
$\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 - 8\,x - 2$
$\mathcal{S} = \left\{-\frac{1}{3}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 8\,x$
$\mathcal{S} = \left\{-\frac{4}{3}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 8\,x + 8$
$\mathcal{S} = \left\{-2\,;\,\frac{2}{3}\right\}$
- $f(x) = -6\,x^2 - 7\,x - 2$
$\mathcal{S} = \left\{-\frac{2}{3}\,;\,-\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 - 7\,x - 1$
$\mathcal{S} = \left\{-\frac{1}{6}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 7\,x$
$\mathcal{S} = \left\{-\frac{7}{6}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 7\,x + 3$
$\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{1}{3}\right\}$
- $f(x) = -6\,x^2 - 7\,x + 5$
$\mathcal{S} = \left\{-\frac{5}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 - 5\,x - 1$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,-\frac{1}{3}\right\}$
- $f(x) = -6\,x^2 - 5\,x$
$\mathcal{S} = \left\{-\frac{5}{6}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 5\,x + 1$
$\mathcal{S} = \left\{\frac{1}{6}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 5\,x + 4$
$\mathcal{S} = \left\{-\frac{4}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 - 5\,x + 6$
$\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{2}{3}\right\}$
- $f(x) = -6\,x^2 - 4\,x$
$\mathcal{S} = \left\{-\frac{2}{3}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 4\,x + 2$
$\mathcal{S} = \left\{\frac{1}{3}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 3\,x$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 3\,x + 3$
$\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 3\,x + 9$
$\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = -6\,x^2 - 2\,x$
$\mathcal{S} = \left\{-\frac{1}{3}\,;\,0\right\}$
- $f(x) = -6\,x^2 - 2\,x + 4$
$\mathcal{S} = \left\{\frac{2}{3}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - 2\,x + 8$
$\mathcal{S} = \left\{1\,;\,-\frac{4}{3}\right\}$
- $f(x) = -6\,x^2 - x$
$\mathcal{S} = \left\{-\frac{1}{6}\,;\,0\right\}$
- $f(x) = -6\,x^2 - x + 1$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{3}\right\}$
- $f(x) = -6\,x^2 - x + 2$
$\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 - x + 5$
$\mathcal{S} = \left\{\frac{5}{6}\,;\,-1\right\}$
- $f(x) = -6\,x^2 - x + 7$
$\mathcal{S} = \left\{1\,;\,-\frac{7}{6}\right\}$
- $f(x) = x - 6\,x^2$
$\mathcal{S} = \left\{\frac{1}{6}\,;\,0\right\}$
- $f(x) = -6\,x^2 + x + 1$
$\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = -6\,x^2 + x + 2$
$\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{2}{3}\right\}$
- $f(x) = -6\,x^2 + x + 5$
$\mathcal{S} = \left\{-\frac{5}{6}\,;\,1\right\}$
- $f(x) = -6\,x^2 + x + 7$
$\mathcal{S} = \left\{\frac{7}{6}\,;\,-1\right\}$

- $f(x) = 2x - 6x^2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,0\right\}$
- $f(x) = -6x^2 + 2x + 4$
  $\mathcal{S} = \left\{1\,;\,-\frac{2}{3}\right\}$
- $f(x) = -6x^2 + 2x + 8$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,-1\right\}$
- $f(x) = 3x - 6x^2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = -6x^2 + 3x + 3$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = -6x^2 + 3x + 9$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$
- $f(x) = 4x - 6x^2$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,0\right\}$
- $f(x) = -6x^2 + 4x + 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{3}\right\}$
- $f(x) = -6x^2 + 5x - 1$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = 5x - 6x^2$
  $\mathcal{S} = \left\{\frac{5}{6}\,;\,0\right\}$
- $f(x) = -6x^2 + 5x + 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{6}\right\}$
- $f(x) = -6x^2 + 5x + 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{4}{3}\right\}$
- $f(x) = -6x^2 + 5x + 6$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{3}{2}\right\}$
- $f(x) = -6x^2 + 7x - 2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,\frac{2}{3}\right\}$
- $f(x) = -6x^2 + 7x - 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{6}\right\}$
- $f(x) = 7x - 6x^2$
  $\mathcal{S} = \left\{\frac{7}{6}\,;\,0\right\}$
- $f(x) = -6x^2 + 7x + 3$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{3}{2}\right\}$
- $f(x) = -6x^2 + 7x + 5$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,-\frac{1}{2}\right\}$
- $f(x) = -6x^2 + 8x - 2$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{3}\right\}$
- $f(x) = 8x - 6x^2$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,0\right\}$
- $f(x) = -6x^2 + 8x + 8$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,2\right\}$
- $f(x) = -6x^2 + 9x - 3$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{2}\right\}$
- $f(x) = 9x - 6x^2$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = -6x^2 + 9x + 6$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = -4x^2 - 9x - 5$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 - 9x - 2$
  $\mathcal{S} = \left\{-2\,;\,-\frac{1}{4}\right\}$
- $f(x) = -4x^2 - 9x$
  $\mathcal{S} = \left\{-\frac{9}{4}\,;\,0\right\}$
- $f(x) = -4x^2 - 9x + 9$
  $\mathcal{S} = \left\{-3\,;\,\frac{3}{4}\right\}$
- $f(x) = -4x^2 - 8x - 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = -4x^2 - 8x + 5$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = -4x^2 - 7x - 3$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 - 7x$
  $\mathcal{S} = \left\{-\frac{7}{4}\,;\,0\right\}$
- $f(x) = -4x^2 - 7x + 2$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{4}\right\}$
- $f(x) = -4x^2 - 6x - 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -4x^2 - 6x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = -4x^2 - 6x + 4$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = -4x^2 - 5x - 1$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 - 5x$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,0\right\}$
- $f(x) = -4x^2 - 5x + 6$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,-2\right\}$
- $f(x) = -4x^2 - 5x + 9$
  $\mathcal{S} = \left\{-\frac{9}{4}\,;\,1\right\}$
- $f(x) = -4x^2 - 4x + 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = -4x^2 - 3x$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,0\right\}$
- $f(x) = -4x^2 - 3x + 1$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 - 3x + 7$
  $\mathcal{S} = \left\{1\,;\,-\frac{7}{4}\right\}$
- $f(x) = -4x^2 - 2x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = -4x^2 - 2x + 2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -4x^2 - 2x + 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = -4x^2 - x$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,0\right\}$
- $f(x) = -4x^2 - x + 3$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 - x + 5$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,1\right\}$
- $f(x) = 1 - 4x^2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 9 - 4x^2$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{3}{2}\right\}$
- $f(x) = x - 4x^2$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,0\right\}$
- $f(x) = -4x^2 + x + 3$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,1\right\}$
- $f(x) = -4x^2 + x + 5$
  $\mathcal{S} = \left\{\frac{5}{4}\,;\,-1\right\}$
- $f(x) = 2x - 4x^2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = -4x^2 + 2x + 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = -4x^2 + 2x + 6$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$
- $f(x) = 3x - 4x^2$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,0\right\}$
- $f(x) = -4x^2 + 3x + 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{4}\right\}$
- $f(x) = -4x^2 + 3x + 7$
  $\mathcal{S} = \left\{\frac{7}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 + 4x + 3$

$\mathcal{S} = \left\{\frac{3}{2}\,;\,-\frac{1}{2}\right\}$

- $f(x) = -4x^2 + 5x - 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{4}\right\}$
- $f(x) = 5x - 4x^2$
  $\mathcal{S} = \left\{\frac{5}{4}\,;\,0\right\}$
- $f(x) = -4x^2 + 5x + 6$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,2\right\}$
- $f(x) = -4x^2 + 5x + 9$
  $\mathcal{S} = \left\{\frac{9}{4}\,;\,-1\right\}$
- $f(x) = -4x^2 + 6x - 2$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{2}\right\}$
- $f(x) = 6x - 4x^2$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = -4x^2 + 6x + 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = -4x^2 + 7x - 3$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,1\right\}$
- $f(x) = 7x - 4x^2$
  $\mathcal{S} = \left\{\frac{7}{4}\,;\,0\right\}$
- $f(x) = -4x^2 + 7x + 2$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,2\right\}$
- $f(x) = -4x^2 + 8x - 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = -4x^2 + 8x + 5$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = -4x^2 + 9x - 5$
  $\mathcal{S} = \left\{1\,;\,\frac{5}{4}\right\}$
- $f(x) = -4x^2 + 9x - 2$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,2\right\}$
- $f(x) = 9x - 4x^2$
  $\mathcal{S} = \left\{\frac{9}{4}\,;\,0\right\}$
- $f(x) = -4x^2 + 9x + 9$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,3\right\}$
- $f(x) = -3x^2 - 8x - 5$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 - 8x - 4$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-2\right\}$
- $f(x) = -3x^2 - 8x$
  $\mathcal{S} = \left\{-\frac{8}{3}\,;\,0\right\}$
- $f(x) = -3x^2 - 8x + 3$
  $\mathcal{S} = \left\{-3\,;\,\frac{1}{3}\right\}$
- $f(x) = -3x^2 - 7x - 4$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 - 7x - 2$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,-2\right\}$
- $f(x) = -3x^2 - 7x$
  $\mathcal{S} = \left\{-\frac{7}{3}\,;\,0\right\}$
- $f(x) = -3x^2 - 7x + 6$
  $\mathcal{S} = \left\{-3\,;\,\frac{2}{3}\right\}$
- $f(x) = -3x^2 - 5x - 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 - 5x$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,0\right\}$
- $f(x) = -3x^2 - 5x + 2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-2\right\}$
- $f(x) = -3x^2 - 5x + 8$
  $\mathcal{S} = \left\{1\,;\,-\frac{8}{3}\right\}$
- $f(x) = -3x^2 - 4x - 1$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 - 4x$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,0\right\}$
- $f(x) = -3x^2 - 4x + 4$
  $\mathcal{S} = \left\{-2\,;\,\frac{2}{3}\right\}$
- $f(x) = -3x^2 - 4x + 7$
  $\mathcal{S} = \left\{-\frac{7}{3}\,;\,1\right\}$
- $f(x) = -3x^2 - 2x$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,0\right\}$
- $f(x) = -3x^2 - 2x + 1$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 - 2x + 5$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,1\right\}$
- $f(x) = -3x^2 - 2x + 8$
  $\mathcal{S} = \left\{-2\,;\,\frac{4}{3}\right\}$
- $f(x) = -3x^2 - x$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,0\right\}$
- $f(x) = -3x^2 - x + 2$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 - x + 4$
  $\mathcal{S} = \left\{1\,;\,-\frac{4}{3}\right\}$
- $f(x) = x - 3x^2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,0\right\}$
- $f(x) = -3x^2 + x + 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{2}{3}\right\}$
- $f(x) = -3x^2 + x + 4$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,-1\right\}$
- $f(x) = 2x - 3x^2$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,0\right\}$
- $f(x) = -3x^2 + 2x + 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{3}\right\}$
- $f(x) = -3x^2 + 2x + 5$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 + 2x + 8$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,2\right\}$
- $f(x) = -3x^2 + 4x - 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{3}\right\}$
- $f(x) = 4x - 3x^2$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,0\right\}$
- $f(x) = -3x^2 + 4x + 4$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,2\right\}$
- $f(x) = -3x^2 + 4x + 7$
  $\mathcal{S} = \left\{\frac{7}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 + 5x - 2$
  $\mathcal{S} = \left\{1\,;\,\frac{2}{3}\right\}$
- $f(x) = 5x - 3x^2$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,0\right\}$
- $f(x) = -3x^2 + 5x + 2$
  $\mathcal{S} = \left\{2\,;\,-\frac{1}{3}\right\}$
- $f(x) = -3x^2 + 5x + 8$
  $\mathcal{S} = \left\{\frac{8}{3}\,;\,-1\right\}$
- $f(x) = -3x^2 + 7x - 4$
  $\mathcal{S} = \left\{1\,;\,\frac{4}{3}\right\}$
- $f(x) = -3x^2 + 7x - 2$
  $\mathcal{S} = \left\{2\,;\,\frac{1}{3}\right\}$
- $f(x) = 7x - 3x^2$
  $\mathcal{S} = \left\{\frac{7}{3}\,;\,0\right\}$
- $f(x) = -3x^2 + 7x + 6$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,3\right\}$
- $f(x) = -3x^2 + 8x - 5$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,1\right\}$
- $f(x) = -3x^2 + 8x - 4$
  $\mathcal{S} = \left\{2\,;\,\frac{2}{3}\right\}$
- $f(x) = 8x - 3x^2$
  $\mathcal{S} = \left\{\frac{8}{3}\,;\,0\right\}$

- $f(x) = -3x^2 + 8x + 3$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,3\right\}$
- $f(x) = -2x^2 - 9x - 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-3\right\}$
- $f(x) = -2x^2 - 9x - 7$
  $\mathcal{S} = \left\{-\frac{7}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 - 9x - 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-4\right\}$
- $f(x) = -2x^2 - 9x$
  $\mathcal{S} = \left\{-\frac{9}{2}\,;\,0\right\}$
- $f(x) = -2x^2 - 9x + 5$
  $\mathcal{S} = \left\{-5\,;\,\frac{1}{2}\right\}$
- $f(x) = -2x^2 - 7x - 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-2\right\}$
- $f(x) = -2x^2 - 7x - 5$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 - 7x - 3$
  $\mathcal{S} = \left\{-3\,;\,-\frac{1}{2}\right\}$
- $f(x) = -2x^2 - 7x$
  $\mathcal{S} = \left\{-\frac{7}{2}\,;\,0\right\}$
- $f(x) = -2x^2 - 7x + 4$
  $\mathcal{S} = \left\{-4\,;\,\frac{1}{2}\right\}$
- $f(x) = -2x^2 - 7x + 9$
  $\mathcal{S} = \left\{-\frac{9}{2}\,;\,1\right\}$
- $f(x) = -2x^2 - 5x - 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 - 5x - 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-2\right\}$
- $f(x) = -2x^2 - 5x$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,0\right\}$
- $f(x) = -2x^2 - 5x + 3$
  $\mathcal{S} = \left\{-3\,;\,\frac{1}{2}\right\}$
- $f(x) = -2x^2 - 5x + 7$
  $\mathcal{S} = \left\{1\,;\,-\frac{7}{2}\right\}$
- $f(x) = -2x^2 - 3x - 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 - 3x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = -2x^2 - 3x + 2$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = -2x^2 - 3x + 5$
  $\mathcal{S} = \left\{1\,;\,-\frac{5}{2}\right\}$
- $f(x) = -2x^2 - 3x + 9$
  $\mathcal{S} = \left\{-3\,;\,\frac{3}{2}\right\}$
- $f(x) = -2x^2 - x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = -2x^2 - x + 1$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 - x + 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = -2x^2 - x + 6$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-2\right\}$
- $f(x) = x - 2x^2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = -2x^2 + x + 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = -2x^2 + x + 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 + x + 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,2\right\}$
- $f(x) = -2x^2 + 3x - 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{2}\right\}$
- $f(x) = 3x - 2x^2$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = -2x^2 + 3x + 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = -2x^2 + 3x + 5$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 + 3x + 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,3\right\}$
- $f(x) = -2x^2 + 5x - 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,1\right\}$
- $f(x) = -2x^2 + 5x - 2$
  $\mathcal{S} = \left\{2\,;\,\frac{1}{2}\right\}$
- $f(x) = 5x - 2x^2$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,0\right\}$
- $f(x) = -2x^2 + 5x + 3$
  $\mathcal{S} = \left\{3\,;\,-\frac{1}{2}\right\}$
- $f(x) = -2x^2 + 5x + 7$
  $\mathcal{S} = \left\{\frac{7}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 + 7x - 6$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,2\right\}$
- $f(x) = -2x^2 + 7x - 5$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,1\right\}$
- $f(x) = -2x^2 + 7x - 3$
  $\mathcal{S} = \left\{3\,;\,\frac{1}{2}\right\}$
- $f(x) = 7x - 2x^2$
  $\mathcal{S} = \left\{\frac{7}{2}\,;\,0\right\}$
- $f(x) = -2x^2 + 7x + 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,4\right\}$
- $f(x) = -2x^2 + 7x + 9$
  $\mathcal{S} = \left\{\frac{9}{2}\,;\,-1\right\}$
- $f(x) = -2x^2 + 9x - 9$
  $\mathcal{S} = \left\{3\,;\,\frac{3}{2}\right\}$
- $f(x) = -2x^2 + 9x - 7$
  $\mathcal{S} = \left\{1\,;\,\frac{7}{2}\right\}$
- $f(x) = -2x^2 + 9x - 4$
  $\mathcal{S} = \left\{4\,;\,\frac{1}{2}\right\}$
- $f(x) = 9x - 2x^2$
  $\mathcal{S} = \left\{\frac{9}{2}\,;\,0\right\}$
- $f(x) = -2x^2 + 9x + 5$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,5\right\}$
- $f(x) = 2x^2 - 9x - 5$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,5\right\}$
- $f(x) = 2x^2 - 9x$
  $\mathcal{S} = \left\{\frac{9}{2}\,;\,0\right\}$
- $f(x) = 2x^2 - 9x + 4$
  $\mathcal{S} = \left\{4\,;\,\frac{1}{2}\right\}$
- $f(x) = 2x^2 - 9x + 7$
  $\mathcal{S} = \left\{1\,;\,\frac{7}{2}\right\}$
- $f(x) = 2x^2 - 9x + 9$
  $\mathcal{S} = \left\{3\,;\,\frac{3}{2}\right\}$
- $f(x) = 2x^2 - 7x - 9$
  $\mathcal{S} = \left\{\frac{9}{2}\,;\,-1\right\}$
- $f(x) = 2x^2 - 7x - 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,4\right\}$
- $f(x) = 2x^2 - 7x$
  $\mathcal{S} = \left\{\frac{7}{2}\,;\,0\right\}$
- $f(x) = 2x^2 - 7x + 3$
  $\mathcal{S} = \left\{3\,;\,\frac{1}{2}\right\}$
- $f(x) = 2x^2 - 7x + 5$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,1\right\}$
- $f(x) = 2x^2 - 7x + 6$

$\mathcal{S} = \left\{\frac{3}{2}\,;\,2\right\}$

- $f(x) = 2\,x^2 - 5\,x - 7$
  $\mathcal{S} = \left\{\frac{7}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 - 5\,x - 3$
  $\mathcal{S} = \left\{3\,;\,-\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 - 5\,x$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 - 5\,x + 2$
  $\mathcal{S} = \left\{2\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 - 5\,x + 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,1\right\}$
- $f(x) = 2\,x^2 - 3\,x - 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,3\right\}$
- $f(x) = 2\,x^2 - 3\,x - 5$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 - 3\,x - 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = 2\,x^2 - 3\,x$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 - 3\,x + 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 - x - 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,2\right\}$
- $f(x) = 2\,x^2 - x - 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 - x - 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 - x$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 + x - 6$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-2\right\}$
- $f(x) = 2\,x^2 + x - 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = 2\,x^2 + x - 1$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 + x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 + 3\,x - 9$
  $\mathcal{S} = \left\{-3\,;\,\frac{3}{2}\right\}$
- $f(x) = 2\,x^2 + 3\,x - 5$
  $\mathcal{S} = \left\{1\,;\,-\frac{5}{2}\right\}$
- $f(x) = 2\,x^2 + 3\,x - 2$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 + 3\,x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 + 3\,x + 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 + 5\,x - 7$
  $\mathcal{S} = \left\{1\,;\,-\frac{7}{2}\right\}$
- $f(x) = 2\,x^2 + 5\,x - 3$
  $\mathcal{S} = \left\{-3\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 + 5\,x$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 + 5\,x + 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-2\right\}$
- $f(x) = 2\,x^2 + 5\,x + 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 + 7\,x - 9$
  $\mathcal{S} = \left\{-\frac{9}{2}\,;\,1\right\}$
- $f(x) = 2\,x^2 + 7\,x - 4$
  $\mathcal{S} = \left\{-4\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 + 7\,x$
  $\mathcal{S} = \left\{-\frac{7}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 + 7\,x + 3$
  $\mathcal{S} = \left\{-3\,;\,-\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 + 7\,x + 5$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 + 7\,x + 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-2\right\}$
- $f(x) = 2\,x^2 + 9\,x - 5$
  $\mathcal{S} = \left\{-5\,;\,\frac{1}{2}\right\}$
- $f(x) = 2\,x^2 + 9\,x$
  $\mathcal{S} = \left\{-\frac{9}{2}\,;\,0\right\}$
- $f(x) = 2\,x^2 + 9\,x + 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-4\right\}$
- $f(x) = 2\,x^2 + 9\,x + 7$
  $\mathcal{S} = \left\{-\frac{7}{2}\,;\,-1\right\}$
- $f(x) = 2\,x^2 + 9\,x + 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-3\right\}$
- $f(x) = 3\,x^2 - 8\,x - 3$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,3\right\}$
- $f(x) = 3\,x^2 - 8\,x$
  $\mathcal{S} = \left\{\frac{8}{3}\,;\,0\right\}$
- $f(x) = 3\,x^2 - 8\,x + 4$
  $\mathcal{S} = \left\{2\,;\,\frac{2}{3}\right\}$
- $f(x) = 3\,x^2 - 8\,x + 5$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,1\right\}$
- $f(x) = 3\,x^2 - 7\,x - 6$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,3\right\}$
- $f(x) = 3\,x^2 - 7\,x$
  $\mathcal{S} = \left\{\frac{7}{3}\,;\,0\right\}$
- $f(x) = 3\,x^2 - 7\,x + 2$
  $\mathcal{S} = \left\{2\,;\,\frac{1}{3}\right\}$
- $f(x) = 3\,x^2 - 7\,x + 4$
  $\mathcal{S} = \left\{1\,;\,\frac{4}{3}\right\}$
- $f(x) = 3\,x^2 - 5\,x - 8$
  $\mathcal{S} = \left\{\frac{8}{3}\,;\,-1\right\}$
- $f(x) = 3\,x^2 - 5\,x - 2$
  $\mathcal{S} = \left\{2\,;\,-\frac{1}{3}\right\}$
- $f(x) = 3\,x^2 - 5\,x$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,0\right\}$
- $f(x) = 3\,x^2 - 5\,x + 2$
  $\mathcal{S} = \left\{1\,;\,\frac{2}{3}\right\}$
- $f(x) = 3\,x^2 - 4\,x - 7$
  $\mathcal{S} = \left\{\frac{7}{3}\,;\,-1\right\}$
- $f(x) = 3\,x^2 - 4\,x - 4$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,2\right\}$
- $f(x) = 3\,x^2 - 4\,x$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,0\right\}$
- $f(x) = 3\,x^2 - 4\,x + 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{3}\right\}$
- $f(x) = 3\,x^2 - 2\,x - 8$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,2\right\}$
- $f(x) = 3\,x^2 - 2\,x - 5$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,-1\right\}$
- $f(x) = 3\,x^2 - 2\,x - 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{3}\right\}$
- $f(x) = 3\,x^2 - 2\,x$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,0\right\}$
- $f(x) = 3\,x^2 - x - 4$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,-1\right\}$
- $f(x) = 3\,x^2 - x - 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{2}{3}\right\}$

- $f(x) = 3x^2 - x$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + x - 4$
  $\mathcal{S} = \left\{1\,;\,-\frac{4}{3}\right\}$
- $f(x) = 3x^2 + x - 2$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,-1\right\}$
- $f(x) = 3x^2 + x$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + 2x - 8$
  $\mathcal{S} = \left\{-2\,;\,\frac{4}{3}\right\}$
- $f(x) = 3x^2 + 2x - 5$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,1\right\}$
- $f(x) = 3x^2 + 2x - 1$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-1\right\}$
- $f(x) = 3x^2 + 2x$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + 4x - 7$
  $\mathcal{S} = \left\{-\frac{7}{3}\,;\,1\right\}$
- $f(x) = 3x^2 + 4x - 4$
  $\mathcal{S} = \left\{-2\,;\,\frac{2}{3}\right\}$
- $f(x) = 3x^2 + 4x$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + 4x + 1$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,-1\right\}$
- $f(x) = 3x^2 + 5x - 8$
  $\mathcal{S} = \left\{1\,;\,-\frac{8}{3}\right\}$
- $f(x) = 3x^2 + 5x - 2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-2\right\}$
- $f(x) = 3x^2 + 5x$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + 5x + 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-1\right\}$
- $f(x) = 3x^2 + 7x - 6$
  $\mathcal{S} = \left\{-3\,;\,\frac{2}{3}\right\}$
- $f(x) = 3x^2 + 7x$
  $\mathcal{S} = \left\{-\frac{7}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + 7x + 2$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,-2\right\}$
- $f(x) = 3x^2 + 7x + 4$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,-1\right\}$
- $f(x) = 3x^2 + 8x - 3$
  $\mathcal{S} = \left\{-3\,;\,\frac{1}{3}\right\}$
- $f(x) = 3x^2 + 8x$
  $\mathcal{S} = \left\{-\frac{8}{3}\,;\,0\right\}$
- $f(x) = 3x^2 + 8x + 4$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-2\right\}$
- $f(x) = 3x^2 + 8x + 5$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,-1\right\}$
- $f(x) = 4x^2 - 9x - 9$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,3\right\}$
- $f(x) = 4x^2 - 9x$
  $\mathcal{S} = \left\{\frac{9}{4}\,;\,0\right\}$
- $f(x) = 4x^2 - 9x + 2$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,2\right\}$
- $f(x) = 4x^2 - 9x + 5$
  $\mathcal{S} = \left\{1\,;\,\frac{5}{4}\right\}$
- $f(x) = 4x^2 - 8x - 5$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 4x^2 - 8x + 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 4x^2 - 7x - 2$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,2\right\}$
- $f(x) = 4x^2 - 7x$
  $\mathcal{S} = \left\{\frac{7}{4}\,;\,0\right\}$
- $f(x) = 4x^2 - 7x + 3$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,1\right\}$
- $f(x) = 4x^2 - 6x - 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = 4x^2 - 6x$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = 4x^2 - 6x + 2$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{2}\right\}$
- $f(x) = 4x^2 - 5x - 9$
  $\mathcal{S} = \left\{\frac{9}{4}\,;\,-1\right\}$
- $f(x) = 4x^2 - 5x - 6$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,2\right\}$
- $f(x) = 4x^2 - 5x$
  $\mathcal{S} = \left\{\frac{5}{4}\,;\,0\right\}$
- $f(x) = 4x^2 - 5x + 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{4}\right\}$
- $f(x) = 4x^2 - 4x - 3$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 4x^2 - 3x - 7$
  $\mathcal{S} = \left\{\frac{7}{4}\,;\,-1\right\}$
- $f(x) = 4x^2 - 3x - 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{4}\right\}$
- $f(x) = 4x^2 - 3x$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,0\right\}$
- $f(x) = 4x^2 - 2x - 6$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$
- $f(x) = 4x^2 - 2x - 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = 4x^2 - 2x$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = 4x^2 - x - 5$
  $\mathcal{S} = \left\{\frac{5}{4}\,;\,-1\right\}$
- $f(x) = 4x^2 - x - 3$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,1\right\}$
- $f(x) = 4x^2 - x$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,0\right\}$
- $f(x) = 4x^2 - 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{3}{2}\right\}$
- $f(x) = 4x^2 - 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 4x^2 + x - 5$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,1\right\}$
- $f(x) = 4x^2 + x - 3$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,-1\right\}$
- $f(x) = 4x^2 + x$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,0\right\}$
- $f(x) = 4x^2 + 2x - 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = 4x^2 + 2x - 2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 4x^2 + 2x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = 4x^2 + 3x - 7$
  $\mathcal{S} = \left\{1\,;\,-\frac{7}{4}\right\}$
- $f(x) = 4x^2 + 3x - 1$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,-1\right\}$
- $f(x) = 4x^2 + 3x$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,0\right\}$
- $f(x) = 4x^2 + 4x - 3$

$\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{1}{2}\right\}$

- $f(x) = 4\,x^2 + 5\,x - 9$
  $\mathcal{S} = \left\{-\frac{9}{4}\,;\,1\right\}$
- $f(x) = 4\,x^2 + 5\,x - 6$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,-2\right\}$
- $f(x) = 4\,x^2 + 5\,x$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,0\right\}$
- $f(x) = 4\,x^2 + 5\,x + 1$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,-1\right\}$
- $f(x) = 4\,x^2 + 6\,x - 4$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = 4\,x^2 + 6\,x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = 4\,x^2 + 6\,x + 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 4\,x^2 + 7\,x - 2$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{4}\right\}$
- $f(x) = 4\,x^2 + 7\,x$
  $\mathcal{S} = \left\{-\frac{7}{4}\,;\,0\right\}$
- $f(x) = 4\,x^2 + 7\,x + 3$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,-1\right\}$
- $f(x) = 4\,x^2 + 8\,x - 5$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 4\,x^2 + 8\,x + 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 4\,x^2 + 9\,x - 9$
  $\mathcal{S} = \left\{-3\,;\,\frac{3}{4}\right\}$
- $f(x) = 4\,x^2 + 9\,x$
  $\mathcal{S} = \left\{-\frac{9}{4}\,;\,0\right\}$
- $f(x) = 4\,x^2 + 9\,x + 2$
  $\mathcal{S} = \left\{-2\,;\,-\frac{1}{4}\right\}$
- $f(x) = 4\,x^2 + 9\,x + 5$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,-1\right\}$
- $f(x) = 6\,x^2 - 9\,x - 6$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = 6\,x^2 - 9\,x$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = 6\,x^2 - 9\,x + 3$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 - 8\,x - 8$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,2\right\}$
- $f(x) = 6\,x^2 - 8\,x$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,0\right\}$
- $f(x) = 6\,x^2 - 8\,x + 2$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{3}\right\}$
- $f(x) = 6\,x^2 - 7\,x - 5$
  $\mathcal{S} = \left\{\frac{5}{3}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 - 7\,x - 3$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{3}{2}\right\}$
- $f(x) = 6\,x^2 - 7\,x$
  $\mathcal{S} = \left\{\frac{7}{6}\,;\,0\right\}$
- $f(x) = 6\,x^2 - 7\,x + 1$
  $\mathcal{S} = \left\{1\,;\,\frac{1}{6}\right\}$
- $f(x) = 6\,x^2 - 7\,x + 2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,\frac{2}{3}\right\}$
- $f(x) = 6\,x^2 - 5\,x - 6$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{3}{2}\right\}$
- $f(x) = 6\,x^2 - 5\,x - 4$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{4}{3}\right\}$
- $f(x) = 6\,x^2 - 5\,x - 1$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{6}\right\}$
- $f(x) = 6\,x^2 - 5\,x$
  $\mathcal{S} = \left\{\frac{5}{6}\,;\,0\right\}$
- $f(x) = 6\,x^2 - 5\,x + 1$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 - 4\,x - 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{3}\right\}$
- $f(x) = 6\,x^2 - 4\,x$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,0\right\}$
- $f(x) = 6\,x^2 - 3\,x - 9$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$
- $f(x) = 6\,x^2 - 3\,x - 3$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 - 3\,x$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = 6\,x^2 - 2\,x - 8$
  $\mathcal{S} = \left\{\frac{4}{3}\,;\,-1\right\}$
- $f(x) = 6\,x^2 - 2\,x - 4$
  $\mathcal{S} = \left\{1\,;\,-\frac{2}{3}\right\}$
- $f(x) = 6\,x^2 - 2\,x$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,0\right\}$
- $f(x) = 6\,x^2 - x - 7$
  $\mathcal{S} = \left\{\frac{7}{6}\,;\,-1\right\}$
- $f(x) = 6\,x^2 - x - 5$
  $\mathcal{S} = \left\{-\frac{5}{6}\,;\,1\right\}$
- $f(x) = 6\,x^2 - x - 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{2}{3}\right\}$
- $f(x) = 6\,x^2 - x - 1$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 - x$
  $\mathcal{S} = \left\{\frac{1}{6}\,;\,0\right\}$
- $f(x) = 6\,x^2 + x - 7$
  $\mathcal{S} = \left\{1\,;\,-\frac{7}{6}\right\}$
- $f(x) = 6\,x^2 + x - 5$
  $\mathcal{S} = \left\{\frac{5}{6}\,;\,-1\right\}$
- $f(x) = 6\,x^2 + x - 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 + x - 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{3}\right\}$
- $f(x) = 6\,x^2 + x$
  $\mathcal{S} = \left\{-\frac{1}{6}\,;\,0\right\}$
- $f(x) = 6\,x^2 + 2\,x - 8$
  $\mathcal{S} = \left\{1\,;\,-\frac{4}{3}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 4$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,-1\right\}$
- $f(x) = 6\,x^2 + 2\,x$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,0\right\}$
- $f(x) = 6\,x^2 + 3\,x - 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = 6\,x^2 + 3\,x - 3$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 6\,x^2 + 3\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = 6\,x^2 + 4\,x - 2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-1\right\}$
- $f(x) = 6\,x^2 + 4\,x$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,0\right\}$
- $f(x) = 6\,x^2 + 5\,x - 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{2}{3}\right\}$
- $f(x) = 6\,x^2 + 5\,x - 4$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = 6\,x^2 + 5\,x - 1$
  $\mathcal{S} = \left\{\frac{1}{6}\,;\,-1\right\}$

- $f(x) = 6x^2 + 5x$
  $\mathcal{S} = \left\{-\frac{5}{6}\,;\,0\right\}$
- $f(x) = 6x^2 + 5x + 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-\frac{1}{3}\right\}$
- $f(x) = 6x^2 + 7x - 5$
  $\mathcal{S} = \left\{-\frac{5}{3}\,;\,\frac{1}{2}\right\}$
- $f(x) = 6x^2 + 7x - 3$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{1}{3}\right\}$
- $f(x) = 6x^2 + 7x$
  $\mathcal{S} = \left\{-\frac{7}{6}\,;\,0\right\}$
- $f(x) = 6x^2 + 7x + 1$
  $\mathcal{S} = \left\{-\frac{1}{6}\,;\,-1\right\}$
- $f(x) = 6x^2 + 7x + 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 6x^2 + 8x - 8$
  $\mathcal{S} = \left\{-2\,;\,\frac{2}{3}\right\}$
- $f(x) = 6x^2 + 8x$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,0\right\}$
- $f(x) = 6x^2 + 8x + 2$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,-1\right\}$
- $f(x) = 6x^2 + 9x - 6$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = 6x^2 + 9x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = 6x^2 + 9x + 3$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 8x^2 - 8x - 6$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 8x^2 - 6x - 9$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,\frac{3}{2}\right\}$
- $f(x) = 8x^2 - 6x - 5$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{5}{4}\right\}$
- $f(x) = 8x^2 - 6x - 2$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{4}\right\}$
- $f(x) = 8x^2 - 6x$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,0\right\}$
- $f(x) = 8x^2 - 6x + 1$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = 8x^2 - 4x - 4$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$
- $f(x) = 8x^2 - 4x$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = 8x^2 - 2x - 6$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,1\right\}$
- $f(x) = 8x^2 - 2x - 3$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,-\frac{1}{2}\right\}$
- $f(x) = 8x^2 - 2x - 1$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = 8x^2 - 2x$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,0\right\}$
- $f(x) = 8x^2 - 2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 8x^2 + 2x - 6$
  $\mathcal{S} = \left\{\frac{3}{4}\,;\,-1\right\}$
- $f(x) = 8x^2 + 2x - 3$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = 8x^2 + 2x - 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{4}\right\}$
- $f(x) = 8x^2 + 2x$
  $\mathcal{S} = \left\{-\frac{1}{4}\,;\,0\right\}$
- $f(x) = 8x^2 + 4x - 4$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$
- $f(x) = 8x^2 + 4x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = 8x^2 + 6x - 9$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{3}{4}\right\}$
- $f(x) = 8x^2 + 6x - 5$
  $\mathcal{S} = \left\{-\frac{5}{4}\,;\,\frac{1}{2}\right\}$
- $f(x) = 8x^2 + 6x - 2$
  $\mathcal{S} = \left\{\frac{1}{4}\,;\,-1\right\}$
- $f(x) = 8x^2 + 6x$
  $\mathcal{S} = \left\{-\frac{3}{4}\,;\,0\right\}$
- $f(x) = 8x^2 + 6x + 1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-\frac{1}{4}\right\}$
- $f(x) = 8x^2 + 8x - 6$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = 9x^2 - 9x - 4$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{4}{3}\right\}$
- $f(x) = 9x^2 - 9x + 2$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = 9x^2 - 6x - 8$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{4}{3}\right\}$
- $f(x) = 9x^2 - 6x - 3$
  $\mathcal{S} = \left\{1\,;\,-\frac{1}{3}\right\}$
- $f(x) = 9x^2 - 6x$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,0\right\}$
- $f(x) = 9x^2 - 3x - 6$
  $\mathcal{S} = \left\{1\,;\,-\frac{2}{3}\right\}$
- $f(x) = 9x^2 - 3x - 2$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = 9x^2 - 3x$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,0\right\}$
- $f(x) = 9x^2 - 4$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = 9x^2 - 1$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,\frac{1}{3}\right\}$
- $f(x) = 9x^2 + 3x - 6$
  $\mathcal{S} = \left\{\frac{2}{3}\,;\,-1\right\}$
- $f(x) = 9x^2 + 3x - 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,\frac{1}{3}\right\}$
- $f(x) = 9x^2 + 3x$
  $\mathcal{S} = \left\{-\frac{1}{3}\,;\,0\right\}$
- $f(x) = 9x^2 + 6x - 8$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,\frac{2}{3}\right\}$
- $f(x) = 9x^2 + 6x - 3$
  $\mathcal{S} = \left\{\frac{1}{3}\,;\,-1\right\}$
- $f(x) = 9x^2 + 6x$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,0\right\}$
- $f(x) = 9x^2 + 9x - 4$
  $\mathcal{S} = \left\{-\frac{4}{3}\,;\,\frac{1}{3}\right\}$
- $f(x) = 9x^2 + 9x + 2$
  $\mathcal{S} = \left\{-\frac{2}{3}\,;\,-\frac{1}{3}\right\}$

3. Avec des solutions irrationnelles sans dénominateur :

Les polynômes suivants présentent une simplification sur les racines telles que entraînant la simplification du quotient avec un dénominateur à 1.

- $f(x) = -4\,x^2 - 8\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$
- $f(x) = -4\,x^2 - 8\,x + 8$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = 8 - 4\,x^2$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = -4\,x^2 + 8\,x + 4$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = -4\,x^2 + 8\,x + 8$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$
- $f(x) = -3\,x^2 - 6\,x + 3$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$
- $f(x) = -3\,x^2 - 6\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = 6 - 3\,x^2$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = 9 - 3\,x^2$
  $\mathcal{S} = \left\{-\sqrt{3}\,;\,\sqrt{3}\right\}$
- $f(x) = -3\,x^2 + 6\,x + 3$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = -3\,x^2 + 6\,x + 6$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$
- $f(x) = -2\,x^2 - 8\,x - 4$
  $\mathcal{S} = \left\{-\sqrt{2}-2\,;\,\sqrt{2}-2\right\}$
- $f(x) = -2\,x^2 - 8\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{3}-2\,;\,\sqrt{3}-2\right\}$
- $f(x) = -2\,x^2 - 8\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{5}-2\,;\,\sqrt{5}-2\right\}$
- $f(x) = -2\,x^2 - 8\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{6}-2\,;\,\sqrt{6}-2\right\}$
- $f(x) = -2\,x^2 - 8\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{7}-2\,;\,\sqrt{7}-2\right\}$
- $f(x) = -2\,x^2 - 8\,x + 8$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-2\,;\,2^{\frac{3}{2}}-2\right\}$
- $f(x) = -2\,x^2 - 4\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$
- $f(x) = -2\,x^2 - 4\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = -2\,x^2 - 4\,x + 8$
  $\mathcal{S} = \left\{-\sqrt{5}-1\,;\,\sqrt{5}-1\right\}$
- $f(x) = 4 - 2\,x^2$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = 6 - 2\,x^2$
  $\mathcal{S} = \left\{-\sqrt{3}\,;\,\sqrt{3}\right\}$
- $f(x) = -2\,x^2 + 4\,x + 2$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = -2\,x^2 + 4\,x + 4$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$
- $f(x) = -2\,x^2 + 4\,x + 8$
  $\mathcal{S} = \left\{1-\sqrt{5}\,;\,\sqrt{5}+1\right\}$
- $f(x) = -2\,x^2 + 8\,x - 4$
  $\mathcal{S} = \left\{2-\sqrt{2}\,;\,\sqrt{2}+2\right\}$
- $f(x) = -2\,x^2 + 8\,x - 2$
  $\mathcal{S} = \left\{2-\sqrt{3}\,;\,\sqrt{3}+2\right\}$
- $f(x) = -2\,x^2 + 8\,x + 2$
  $\mathcal{S} = \left\{2-\sqrt{5}\,;\,\sqrt{5}+2\right\}$
- $f(x) = -2\,x^2 + 8\,x + 4$
  $\mathcal{S} = \left\{2-\sqrt{6}\,;\,\sqrt{6}+2\right\}$
- $f(x) = -2\,x^2 + 8\,x + 6$
  $\mathcal{S} = \left\{2-\sqrt{7}\,;\,\sqrt{7}+2\right\}$
- $f(x) = -2\,x^2 + 8\,x + 8$
  $\mathcal{S} = \left\{2-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}+2\right\}$
- $f(x) = -x^2 - 8\,x - 9$
  $\mathcal{S} = \left\{-\sqrt{7}-4\,;\,\sqrt{7}-4\right\}$
- $f(x) = -x^2 - 8\,x - 8$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-4\,;\,2^{\frac{3}{2}}-4\right\}$
- $f(x) = -x^2 - 8\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{10}-4\,;\,\sqrt{10}-4\right\}$
- $f(x) = -x^2 - 8\,x - 5$
  $\mathcal{S} = \left\{-\sqrt{11}-4\,;\,\sqrt{11}-4\right\}$
- $f(x) = -x^2 - 8\,x - 4$
  $\mathcal{S} = \left\{-2\,\sqrt{3}-4\,;\,2\,\sqrt{3}-4\right\}$
- $f(x) = -x^2 - 8\,x - 3$
  $\mathcal{S} = \left\{-\sqrt{13}-4\,;\,\sqrt{13}-4\right\}$
- $f(x) = -x^2 - 8\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{14}-4\,;\,\sqrt{14}-4\right\}$
- $f(x) = -x^2 - 8\,x - 1$
  $\mathcal{S} = \left\{-\sqrt{15}-4\,;\,\sqrt{15}-4\right\}$
- $f(x) = -x^2 - 8\,x + 1$
  $\mathcal{S} = \left\{-\sqrt{17}-4\,;\,\sqrt{17}-4\right\}$
- $f(x) = -x^2 - 8\,x + 2$
  $\mathcal{S} = \left\{-3\,\sqrt{2}-4\,;\,3\,\sqrt{2}-4\right\}$
- $f(x) = -x^2 - 8\,x + 3$
  $\mathcal{S} = \left\{-\sqrt{19}-4\,;\,\sqrt{19}-4\right\}$
- $f(x) = -x^2 - 8\,x + 4$
  $\mathcal{S} = \left\{-2\,\sqrt{5}-4\,;\,2\,\sqrt{5}-4\right\}$
- $f(x) = -x^2 - 8\,x + 5$
  $\mathcal{S} = \left\{-\sqrt{21}-4\,;\,\sqrt{21}-4\right\}$
- $f(x) = -x^2 - 8\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{22}-4\,;\,\sqrt{22}-4\right\}$
- $f(x) = -x^2 - 8\,x + 7$
  $\mathcal{S} = \left\{-\sqrt{23}-4\,;\,\sqrt{23}-4\right\}$
- $f(x) = -x^2 - 8\,x + 8$
  $\mathcal{S} = \left\{-2\,\sqrt{6}-4\,;\,2\,\sqrt{6}-4\right\}$
- $f(x) = -x^2 - 6\,x - 7$
  $\mathcal{S} = \left\{-\sqrt{2}-3\,;\,\sqrt{2}-3\right\}$
- $f(x) = -x^2 - 6\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{3}-3\,;\,\sqrt{3}-3\right\}$
- $f(x) = -x^2 - 6\,x - 4$
  $\mathcal{S} = \left\{-\sqrt{5}-3\,;\,\sqrt{5}-3\right\}$
- $f(x) = -x^2 - 6\,x - 3$
  $\mathcal{S} = \left\{-\sqrt{6}-3\,;\,\sqrt{6}-3\right\}$
- $f(x) = -x^2 - 6\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{7}-3\,;\,\sqrt{7}-3\right\}$
- $f(x) = -x^2 - 6\,x - 1$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-3\,;\,2^{\frac{3}{2}}-3\right\}$
- $f(x) = -x^2 - 6\,x + 1$
  $\mathcal{S} = \left\{-\sqrt{10}-3\,;\,\sqrt{10}-3\right\}$
- $f(x) = -x^2 - 6\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{11}-3\,;\,\sqrt{11}-3\right\}$
- $f(x) = -x^2 - 6\,x + 3$
  $\mathcal{S} = \left\{-2\,\sqrt{3}-3\,;\,2\,\sqrt{3}-3\right\}$
- $f(x) = -x^2 - 6\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{13}-3\,;\,\sqrt{13}-3\right\}$
- $f(x) = -x^2 - 6\,x + 5$
  $\mathcal{S} = \left\{-\sqrt{14}-3\,;\,\sqrt{14}-3\right\}$
- $f(x) = -x^2 - 6\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{15}-3\,;\,\sqrt{15}-3\right\}$
- $f(x) = -x^2 - 6\,x + 8$
  $\mathcal{S} = \left\{-\sqrt{17}-3\,;\,\sqrt{17}-3\right\}$
- $f(x) = -x^2 - 6\,x + 9$
  $\mathcal{S} = \left\{-3\,\sqrt{2}-3\,;\,3\,\sqrt{2}-3\right\}$
- $f(x) = -x^2 - 4\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{2}-2\,;\,\sqrt{2}-2\right\}$
- $f(x) = -x^2 - 4\,x - 1$
  $\mathcal{S} = \left\{-\sqrt{3}-2\,;\,\sqrt{3}-2\right\}$
- $f(x) = -x^2 - 4\,x + 1$
  $\mathcal{S} = \left\{-\sqrt{5}-2\,;\,\sqrt{5}-2\right\}$
- $f(x) = -x^2 - 4\,x + 2$

$\mathcal{S} = \left\{-\sqrt{6}-2\,;\,\sqrt{6}-2\right\}$

- $f(x) = -x^2 - 4\,x + 3$
  $\mathcal{S} = \left\{-\sqrt{7}-2\,;\,\sqrt{7}-2\right\}$
- $f(x) = -x^2 - 4\,x + 4$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-2\,;\,2^{\frac{3}{2}}-2\right\}$
- $f(x) = -x^2 - 4\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{10}-2\,;\,\sqrt{10}-2\right\}$
- $f(x) = -x^2 - 4\,x + 7$
  $\mathcal{S} = \left\{-\sqrt{11}-2\,;\,\sqrt{11}-2\right\}$
- $f(x) = -x^2 - 4\,x + 8$
  $\mathcal{S} = \left\{-2\,\sqrt{3}-2\,;\,2\,\sqrt{3}-2\right\}$
- $f(x) = -x^2 - 4\,x + 9$
  $\mathcal{S} = \left\{-\sqrt{13}-2\,;\,\sqrt{13}-2\right\}$
- $f(x) = -x^2 - 2\,x + 1$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$
- $f(x) = -x^2 - 2\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = -x^2 - 2\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{5}-1\,;\,\sqrt{5}-1\right\}$
- $f(x) = -x^2 - 2\,x + 5$
  $\mathcal{S} = \left\{-\sqrt{6}-1\,;\,\sqrt{6}-1\right\}$
- $f(x) = -x^2 - 2\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{7}-1\,;\,\sqrt{7}-1\right\}$
- $f(x) = -x^2 - 2\,x + 7$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-1\,;\,2^{\frac{3}{2}}-1\right\}$
- $f(x) = -x^2 - 2\,x + 9$
  $\mathcal{S} = \left\{-\sqrt{10}-1\,;\,\sqrt{10}-1\right\}$
- $f(x) = 2 - x^2$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = 3 - x^2$
  $\mathcal{S} = \left\{-\sqrt{3}\,;\,\sqrt{3}\right\}$
- $f(x) = 5 - x^2$
  $\mathcal{S} = \left\{-\sqrt{5}\,;\,\sqrt{5}\right\}$
- $f(x) = 6 - x^2$
  $\mathcal{S} = \left\{-\sqrt{6}\,;\,\sqrt{6}\right\}$
- $f(x) = 7 - x^2$
  $\mathcal{S} = \left\{-\sqrt{7}\,;\,\sqrt{7}\right\}$
- $f(x) = 8 - x^2$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}\right\}$
- $f(x) = -x^2 + 2\,x + 1$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = -x^2 + 2\,x + 2$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$
- $f(x) = -x^2 + 2\,x + 4$
  $\mathcal{S} = \left\{1-\sqrt{5}\,;\,\sqrt{5}+1\right\}$
- $f(x) = -x^2 + 2\,x + 5$
  $\mathcal{S} = \left\{1-\sqrt{6}\,;\,\sqrt{6}+1\right\}$
- $f(x) = -x^2 + 2\,x + 6$
  $\mathcal{S} = \left\{1-\sqrt{7}\,;\,\sqrt{7}+1\right\}$
- $f(x) = -x^2 + 2\,x + 7$
  $\mathcal{S} = \left\{1-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}+1\right\}$
- $f(x) = -x^2 + 2\,x + 9$
  $\mathcal{S} = \left\{1-\sqrt{10}\,;\,\sqrt{10}+1\right\}$
- $f(x) = -x^2 + 4\,x - 2$
  $\mathcal{S} = \left\{2-\sqrt{2}\,;\,\sqrt{2}+2\right\}$
- $f(x) = -x^2 + 4\,x - 1$
  $\mathcal{S} = \left\{2-\sqrt{3}\,;\,\sqrt{3}+2\right\}$
- $f(x) = -x^2 + 4\,x + 1$
  $\mathcal{S} = \left\{2-\sqrt{5}\,;\,\sqrt{5}+2\right\}$
- $f(x) = -x^2 + 4\,x + 2$
  $\mathcal{S} = \left\{2-\sqrt{6}\,;\,\sqrt{6}+2\right\}$
- $f(x) = -x^2 + 4\,x + 3$
  $\mathcal{S} = \left\{2-\sqrt{7}\,;\,\sqrt{7}+2\right\}$
- $f(x) = -x^2 + 4\,x + 4$
  $\mathcal{S} = \left\{2-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}+2\right\}$
- $f(x) = -x^2 + 4\,x + 6$
  $\mathcal{S} = \left\{2-\sqrt{10}\,;\,\sqrt{10}+2\right\}$
- $f(x) = -x^2 + 4\,x + 7$
  $\mathcal{S} = \left\{2-\sqrt{11}\,;\,\sqrt{11}+2\right\}$
- $f(x) = -x^2 + 4\,x + 8$
  $\mathcal{S} = \left\{2-2\,\sqrt{3}\,;\,2\,\sqrt{3}+2\right\}$
- $f(x) = -x^2 + 4\,x + 9$
  $\mathcal{S} = \left\{2-\sqrt{13}\,;\,\sqrt{13}+2\right\}$
- $f(x) = -x^2 + 6\,x - 7$
  $\mathcal{S} = \left\{3-\sqrt{2}\,;\,\sqrt{2}+3\right\}$
- $f(x) = -x^2 + 6\,x - 6$
  $\mathcal{S} = \left\{3-\sqrt{3}\,;\,\sqrt{3}+3\right\}$
- $f(x) = -x^2 + 6\,x - 4$
  $\mathcal{S} = \left\{3-\sqrt{5}\,;\,\sqrt{5}+3\right\}$
- $f(x) = -x^2 + 6\,x - 3$
  $\mathcal{S} = \left\{3-\sqrt{6}\,;\,\sqrt{6}+3\right\}$
- $f(x) = -x^2 + 6\,x - 2$
  $\mathcal{S} = \left\{3-\sqrt{7}\,;\,\sqrt{7}+3\right\}$
- $f(x) = -x^2 + 6\,x - 1$
  $\mathcal{S} = \left\{3-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}+3\right\}$
- $f(x) = -x^2 + 6\,x + 1$
  $\mathcal{S} = \left\{3-\sqrt{10}\,;\,\sqrt{10}+3\right\}$
- $f(x) = -x^2 + 6\,x + 2$
  $\mathcal{S} = \left\{3-\sqrt{11}\,;\,\sqrt{11}+3\right\}$
- $f(x) = -x^2 + 6\,x + 3$
  $\mathcal{S} = \left\{3-2\,\sqrt{3}\,;\,2\,\sqrt{3}+3\right\}$
- $f(x) = -x^2 + 6\,x + 4$
  $\mathcal{S} = \left\{3-\sqrt{13}\,;\,\sqrt{13}+3\right\}$
- $f(x) = -x^2 + 6\,x + 5$
  $\mathcal{S} = \left\{3-\sqrt{14}\,;\,\sqrt{14}+3\right\}$
- $f(x) = -x^2 + 6\,x + 6$
  $\mathcal{S} = \left\{3-\sqrt{15}\,;\,\sqrt{15}+3\right\}$
- $f(x) = -x^2 + 6\,x + 8$
  $\mathcal{S} = \left\{3-\sqrt{17}\,;\,\sqrt{17}+3\right\}$
- $f(x) = -x^2 + 6\,x + 9$
  $\mathcal{S} = \left\{3-3\,\sqrt{2}\,;\,3\,\sqrt{2}+3\right\}$
- $f(x) = -x^2 + 8\,x - 9$
  $\mathcal{S} = \left\{4-\sqrt{7}\,;\,\sqrt{7}+4\right\}$
- $f(x) = -x^2 + 8\,x - 8$
  $\mathcal{S} = \left\{4-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}+4\right\}$
- $f(x) = -x^2 + 8\,x - 6$
  $\mathcal{S} = \left\{4-\sqrt{10}\,;\,\sqrt{10}+4\right\}$
- $f(x) = -x^2 + 8\,x - 5$
  $\mathcal{S} = \left\{4-\sqrt{11}\,;\,\sqrt{11}+4\right\}$
- $f(x) = -x^2 + 8\,x - 4$
  $\mathcal{S} = \left\{4-2\,\sqrt{3}\,;\,2\,\sqrt{3}+4\right\}$
- $f(x) = -x^2 + 8\,x - 3$
  $\mathcal{S} = \left\{4-\sqrt{13}\,;\,\sqrt{13}+4\right\}$
- $f(x) = -x^2 + 8\,x - 2$
  $\mathcal{S} = \left\{4-\sqrt{14}\,;\,\sqrt{14}+4\right\}$
- $f(x) = -x^2 + 8\,x - 1$
  $\mathcal{S} = \left\{4-\sqrt{15}\,;\,\sqrt{15}+4\right\}$
- $f(x) = -x^2 + 8\,x + 1$
  $\mathcal{S} = \left\{4-\sqrt{17}\,;\,\sqrt{17}+4\right\}$
- $f(x) = -x^2 + 8\,x + 2$
  $\mathcal{S} = \left\{4-3\,\sqrt{2}\,;\,3\,\sqrt{2}+4\right\}$
- $f(x) = -x^2 + 8\,x + 3$
  $\mathcal{S} = \left\{4-\sqrt{19}\,;\,\sqrt{19}+4\right\}$
- $f(x) = -x^2 + 8\,x + 4$
  $\mathcal{S} = \left\{4-2\,\sqrt{5}\,;\,2\,\sqrt{5}+4\right\}$
- $f(x) = -x^2 + 8\,x + 5$
  $\mathcal{S} = \left\{4-\sqrt{21}\,;\,\sqrt{21}+4\right\}$
- $f(x) = -x^2 + 8\,x + 6$
  $\mathcal{S} = \left\{4-\sqrt{22}\,;\,\sqrt{22}+4\right\}$

- $f(x) = -x^2 + 8\,x + 7$
  $\mathcal{S} = \left\{4-\sqrt{23}\,;\ \sqrt{23}+4\right\}$
- $f(x) = -x^2 + 8\,x + 8$
  $\mathcal{S} = \left\{4-2\,\sqrt{6}\,;\ 2\,\sqrt{6}+4\right\}$
- $f(x) = x^2 - 8\,x - 8$
  $\mathcal{S} = \left\{4-2\,\sqrt{6}\,;\ 2\,\sqrt{6}+4\right\}$
- $f(x) = x^2 - 8\,x - 7$
  $\mathcal{S} = \left\{4-\sqrt{23}\,;\ \sqrt{23}+4\right\}$
- $f(x) = x^2 - 8\,x - 6$
  $\mathcal{S} = \left\{4-\sqrt{22}\,;\ \sqrt{22}+4\right\}$
- $f(x) = x^2 - 8\,x - 5$
  $\mathcal{S} = \left\{4-\sqrt{21}\,;\ \sqrt{21}+4\right\}$
- $f(x) = x^2 - 8\,x - 4$
  $\mathcal{S} = \left\{4-2\,\sqrt{5}\,;\ 2\,\sqrt{5}+4\right\}$
- $f(x) = x^2 - 8\,x - 3$
  $\mathcal{S} = \left\{4-\sqrt{19}\,;\ \sqrt{19}+4\right\}$
- $f(x) = x^2 - 8\,x - 2$
  $\mathcal{S} = \left\{4-3\,\sqrt{2}\,;\ 3\,\sqrt{2}+4\right\}$
- $f(x) = x^2 - 8\,x - 1$
  $\mathcal{S} = \left\{4-\sqrt{17}\,;\ \sqrt{17}+4\right\}$
- $f(x) = x^2 - 8\,x + 1$
  $\mathcal{S} = \left\{4-\sqrt{15}\,;\ \sqrt{15}+4\right\}$
- $f(x) = x^2 - 8\,x + 2$
  $\mathcal{S} = \left\{4-\sqrt{14}\,;\ \sqrt{14}+4\right\}$
- $f(x) = x^2 - 8\,x + 3$
  $\mathcal{S} = \left\{4-\sqrt{13}\,;\ \sqrt{13}+4\right\}$
- $f(x) = x^2 - 8\,x + 4$
  $\mathcal{S} = \left\{4-2\,\sqrt{3}\,;\ 2\,\sqrt{3}+4\right\}$
- $f(x) = x^2 - 8\,x + 5$
  $\mathcal{S} = \left\{4-\sqrt{11}\,;\ \sqrt{11}+4\right\}$
- $f(x) = x^2 - 8\,x + 6$
  $\mathcal{S} = \left\{4-\sqrt{10}\,;\ \sqrt{10}+4\right\}$
- $f(x) = x^2 - 8\,x + 8$
  $\mathcal{S} = \left\{4-2^{\frac{3}{2}}\,;\ 2^{\frac{3}{2}}+4\right\}$
- $f(x) = x^2 - 8\,x + 9$
  $\mathcal{S} = \left\{4-\sqrt{7}\,;\ \sqrt{7}+4\right\}$
- $f(x) = x^2 - 6\,x - 9$
  $\mathcal{S} = \left\{3-3\,\sqrt{2}\,;\ 3\,\sqrt{2}+3\right\}$
- $f(x) = x^2 - 6\,x - 8$
  $\mathcal{S} = \left\{3-\sqrt{17}\,;\ \sqrt{17}+3\right\}$
- $f(x) = x^2 - 6\,x - 6$
  $\mathcal{S} = \left\{3-\sqrt{15}\,;\ \sqrt{15}+3\right\}$
- $f(x) = x^2 - 6\,x - 5$
  $\mathcal{S} = \left\{3-\sqrt{14}\,;\ \sqrt{14}+3\right\}$
- $f(x) = x^2 - 6\,x - 4$
  $\mathcal{S} = \left\{3-\sqrt{13}\,;\ \sqrt{13}+3\right\}$
- $f(x) = x^2 - 6\,x - 3$
  $\mathcal{S} = \left\{3-2\,\sqrt{3}\,;\ 2\,\sqrt{3}+3\right\}$
- $f(x) = x^2 - 6\,x - 2$
  $\mathcal{S} = \left\{3-\sqrt{11}\,;\ \sqrt{11}+3\right\}$
- $f(x) = x^2 - 6\,x - 1$
  $\mathcal{S} = \left\{3-\sqrt{10}\,;\ \sqrt{10}+3\right\}$
- $f(x) = x^2 - 6\,x + 1$
  $\mathcal{S} = \left\{3-2^{\frac{3}{2}}\,;\ 2^{\frac{3}{2}}+3\right\}$
- $f(x) = x^2 - 6\,x + 2$
  $\mathcal{S} = \left\{3-\sqrt{7}\,;\ \sqrt{7}+3\right\}$
- $f(x) = x^2 - 6\,x + 3$
  $\mathcal{S} = \left\{3-\sqrt{6}\,;\ \sqrt{6}+3\right\}$
- $f(x) = x^2 - 6\,x + 4$
  $\mathcal{S} = \left\{3-\sqrt{5}\,;\ \sqrt{5}+3\right\}$
- $f(x) = x^2 - 6\,x + 6$
  $\mathcal{S} = \left\{3-\sqrt{3}\,;\ \sqrt{3}+3\right\}$
- $f(x) = x^2 - 6\,x + 7$
  $\mathcal{S} = \left\{3-\sqrt{2}\,;\ \sqrt{2}+3\right\}$
- $f(x) = x^2 - 4\,x - 9$
  $\mathcal{S} = \left\{2-\sqrt{13}\,;\ \sqrt{13}+2\right\}$
- $f(x) = x^2 - 4\,x - 8$
  $\mathcal{S} = \left\{2-2\,\sqrt{3}\,;\ 2\,\sqrt{3}+2\right\}$
- $f(x) = x^2 - 4\,x - 7$
  $\mathcal{S} = \left\{2-\sqrt{11}\,;\ \sqrt{11}+2\right\}$
- $f(x) = x^2 - 4\,x - 6$
  $\mathcal{S} = \left\{2-\sqrt{10}\,;\ \sqrt{10}+2\right\}$
- $f(x) = x^2 - 4\,x - 4$
  $\mathcal{S} = \left\{2-2^{\frac{3}{2}}\,;\ 2^{\frac{3}{2}}+2\right\}$
- $f(x) = x^2 - 4\,x - 3$
  $\mathcal{S} = \left\{2-\sqrt{7}\,;\ \sqrt{7}+2\right\}$
- $f(x) = x^2 - 4\,x - 2$
  $\mathcal{S} = \left\{2-\sqrt{6}\,;\ \sqrt{6}+2\right\}$
- $f(x) = x^2 - 4\,x - 1$
  $\mathcal{S} = \left\{2-\sqrt{5}\,;\ \sqrt{5}+2\right\}$
- $f(x) = x^2 - 4\,x + 1$
  $\mathcal{S} = \left\{2-\sqrt{3}\,;\ \sqrt{3}+2\right\}$
- $f(x) = x^2 - 4\,x + 2$
  $\mathcal{S} = \left\{2-\sqrt{2}\,;\ \sqrt{2}+2\right\}$
- $f(x) = x^2 - 2\,x - 9$
  $\mathcal{S} = \left\{1-\sqrt{10}\,;\ \sqrt{10}+1\right\}$
- $f(x) = x^2 - 2\,x - 7$
  $\mathcal{S} = \left\{1-2^{\frac{3}{2}}\,;\ 2^{\frac{3}{2}}+1\right\}$
- $f(x) = x^2 - 2\,x - 6$
  $\mathcal{S} = \left\{1-\sqrt{7}\,;\ \sqrt{7}+1\right\}$
- $f(x) = x^2 - 2\,x - 5$
  $\mathcal{S} = \left\{1-\sqrt{6}\,;\ \sqrt{6}+1\right\}$
- $f(x) = x^2 - 2\,x - 4$
  $\mathcal{S} = \left\{1-\sqrt{5}\,;\ \sqrt{5}+1\right\}$
- $f(x) = x^2 - 2\,x - 2$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\ \sqrt{3}+1\right\}$
- $f(x) = x^2 - 2\,x - 1$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\ \sqrt{2}+1\right\}$
- $f(x) = x^2 - 8$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}\,;\ 2^{\frac{3}{2}}\right\}$
- $f(x) = x^2 - 7$
  $\mathcal{S} = \left\{-\sqrt{7}\,;\ \sqrt{7}\right\}$
- $f(x) = x^2 - 6$
  $\mathcal{S} = \left\{-\sqrt{6}\,;\ \sqrt{6}\right\}$
- $f(x) = x^2 - 5$
  $\mathcal{S} = \left\{-\sqrt{5}\,;\ \sqrt{5}\right\}$
- $f(x) = x^2 - 3$
  $\mathcal{S} = \left\{-\sqrt{3}\,;\ \sqrt{3}\right\}$
- $f(x) = x^2 - 2$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\ \sqrt{2}\right\}$
- $f(x) = x^2 + 2\,x - 9$
  $\mathcal{S} = \left\{-\sqrt{10}-1\,;\ \sqrt{10}-1\right\}$
- $f(x) = x^2 + 2\,x - 7$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-1\,;\ 2^{\frac{3}{2}}-1\right\}$
- $f(x) = x^2 + 2\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{7}-1\,;\ \sqrt{7}-1\right\}$
- $f(x) = x^2 + 2\,x - 5$
  $\mathcal{S} = \left\{-\sqrt{6}-1\,;\ \sqrt{6}-1\right\}$
- $f(x) = x^2 + 2\,x - 4$
  $\mathcal{S} = \left\{-\sqrt{5}-1\,;\ \sqrt{5}-1\right\}$
- $f(x) = x^2 + 2\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\ \sqrt{3}-1\right\}$
- $f(x) = x^2 + 2\,x - 1$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\ \sqrt{2}-1\right\}$
- $f(x) = x^2 + 4\,x - 9$
  $\mathcal{S} = \left\{-\sqrt{13}-2\,;\ \sqrt{13}-2\right\}$
- $f(x) = x^2 + 4\,x - 8$
  $\mathcal{S} = \left\{-2\,\sqrt{3}-2\,;\ 2\,\sqrt{3}-2\right\}$
- $f(x) = x^2 + 4\,x - 7$

$\mathcal{S} = \left\{-\sqrt{11}-2\,;\,\sqrt{11}-2\right\}$

- $f(x) = x^2 + 4\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{10}-2\,;\,\sqrt{10}-2\right\}$
- $f(x) = x^2 + 4\,x - 4$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-2\,;\,2^{\frac{3}{2}}-2\right\}$
- $f(x) = x^2 + 4\,x - 3$
  $\mathcal{S} = \left\{-\sqrt{7}-2\,;\,\sqrt{7}-2\right\}$
- $f(x) = x^2 + 4\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{6}-2\,;\,\sqrt{6}-2\right\}$
- $f(x) = x^2 + 4\,x - 1$
  $\mathcal{S} = \left\{-\sqrt{5}-2\,;\,\sqrt{5}-2\right\}$
- $f(x) = x^2 + 4\,x + 1$
  $\mathcal{S} = \left\{-\sqrt{3}-2\,;\,\sqrt{3}-2\right\}$
- $f(x) = x^2 + 4\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{2}-2\,;\,\sqrt{2}-2\right\}$
- $f(x) = x^2 + 6\,x - 9$
  $\mathcal{S} = \left\{-3\,\sqrt{2}-3\,;\,3\,\sqrt{2}-3\right\}$
- $f(x) = x^2 + 6\,x - 8$
  $\mathcal{S} = \left\{-\sqrt{17}-3\,;\,\sqrt{17}-3\right\}$
- $f(x) = x^2 + 6\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{15}-3\,;\,\sqrt{15}-3\right\}$
- $f(x) = x^2 + 6\,x - 5$
  $\mathcal{S} = \left\{-\sqrt{14}-3\,;\,\sqrt{14}-3\right\}$
- $f(x) = x^2 + 6\,x - 4$
  $\mathcal{S} = \left\{-\sqrt{13}-3\,;\,\sqrt{13}-3\right\}$
- $f(x) = x^2 + 6\,x - 3$
  $\mathcal{S} = \left\{-2\,\sqrt{3}-3\,;\,2\,\sqrt{3}-3\right\}$
- $f(x) = x^2 + 6\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{11}-3\,;\,\sqrt{11}-3\right\}$
- $f(x) = x^2 + 6\,x - 1$
  $\mathcal{S} = \left\{-\sqrt{10}-3\,;\,\sqrt{10}-3\right\}$
- $f(x) = x^2 + 6\,x + 1$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-3\,;\,2^{\frac{3}{2}}-3\right\}$
- $f(x) = x^2 + 6\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{7}-3\,;\,\sqrt{7}-3\right\}$
- $f(x) = x^2 + 6\,x + 3$
  $\mathcal{S} = \left\{-\sqrt{6}-3\,;\,\sqrt{6}-3\right\}$
- $f(x) = x^2 + 6\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{5}-3\,;\,\sqrt{5}-3\right\}$
- $f(x) = x^2 + 6\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{3}-3\,;\,\sqrt{3}-3\right\}$
- $f(x) = x^2 + 6\,x + 7$
  $\mathcal{S} = \left\{-\sqrt{2}-3\,;\,\sqrt{2}-3\right\}$
- $f(x) = x^2 + 8\,x - 8$
  $\mathcal{S} = \left\{-2\,\sqrt{6}-4\,;\,2\,\sqrt{6}-4\right\}$
- $f(x) = x^2 + 8\,x - 7$
  $\mathcal{S} = \left\{-\sqrt{23}-4\,;\,\sqrt{23}-4\right\}$
- $f(x) = x^2 + 8\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{22}-4\,;\,\sqrt{22}-4\right\}$
- $f(x) = x^2 + 8\,x - 5$
  $\mathcal{S} = \left\{-\sqrt{21}-4\,;\,\sqrt{21}-4\right\}$
- $f(x) = x^2 + 8\,x - 4$
  $\mathcal{S} = \left\{-2\,\sqrt{5}-4\,;\,2\,\sqrt{5}-4\right\}$
- $f(x) = x^2 + 8\,x - 3$
  $\mathcal{S} = \left\{-\sqrt{19}-4\,;\,\sqrt{19}-4\right\}$
- $f(x) = x^2 + 8\,x - 2$
  $\mathcal{S} = \left\{-3\,\sqrt{2}-4\,;\,3\,\sqrt{2}-4\right\}$
- $f(x) = x^2 + 8\,x - 1$
  $\mathcal{S} = \left\{-\sqrt{17}-4\,;\,\sqrt{17}-4\right\}$
- $f(x) = x^2 + 8\,x + 1$
  $\mathcal{S} = \left\{-\sqrt{15}-4\,;\,\sqrt{15}-4\right\}$
- $f(x) = x^2 + 8\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{14}-4\,;\,\sqrt{14}-4\right\}$
- $f(x) = x^2 + 8\,x + 3$
  $\mathcal{S} = \left\{-\sqrt{13}-4\,;\,\sqrt{13}-4\right\}$
- $f(x) = x^2 + 8\,x + 4$
  $\mathcal{S} = \left\{-2\,\sqrt{3}-4\,;\,2\,\sqrt{3}-4\right\}$
- $f(x) = x^2 + 8\,x + 5$
  $\mathcal{S} = \left\{-\sqrt{11}-4\,;\,\sqrt{11}-4\right\}$
- $f(x) = x^2 + 8\,x + 6$
  $\mathcal{S} = \left\{-\sqrt{10}-4\,;\,\sqrt{10}-4\right\}$
- $f(x) = x^2 + 8\,x + 8$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-4\,;\,2^{\frac{3}{2}}-4\right\}$
- $f(x) = x^2 + 8\,x + 9$
  $\mathcal{S} = \left\{-\sqrt{7}-4\,;\,\sqrt{7}-4\right\}$
- $f(x) = 2\,x^2 - 8\,x - 8$
  $\mathcal{S} = \left\{2-2^{\frac{3}{2}}\,;\,2^{\frac{3}{2}}+2\right\}$
- $f(x) = 2\,x^2 - 8\,x - 6$
  $\mathcal{S} = \left\{2-\sqrt{7}\,;\,\sqrt{7}+2\right\}$
- $f(x) = 2\,x^2 - 8\,x - 4$
  $\mathcal{S} = \left\{2-\sqrt{6}\,;\,\sqrt{6}+2\right\}$
- $f(x) = 2\,x^2 - 8\,x - 2$
  $\mathcal{S} = \left\{2-\sqrt{5}\,;\,\sqrt{5}+2\right\}$
- $f(x) = 2\,x^2 - 8\,x + 2$
  $\mathcal{S} = \left\{2-\sqrt{3}\,;\,\sqrt{3}+2\right\}$
- $f(x) = 2\,x^2 - 8\,x + 4$
  $\mathcal{S} = \left\{2-\sqrt{2}\,;\,\sqrt{2}+2\right\}$
- $f(x) = 2\,x^2 - 4\,x - 8$
  $\mathcal{S} = \left\{1-\sqrt{5}\,;\,\sqrt{5}+1\right\}$
- $f(x) = 2\,x^2 - 4\,x - 4$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$
- $f(x) = 2\,x^2 - 4\,x - 2$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = 2\,x^2 - 6$
  $\mathcal{S} = \left\{-\sqrt{3}\,;\,\sqrt{3}\right\}$
- $f(x) = 2\,x^2 - 4$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = 2\,x^2 + 4\,x - 8$
  $\mathcal{S} = \left\{-\sqrt{5}-1\,;\,\sqrt{5}-1\right\}$
- $f(x) = 2\,x^2 + 4\,x - 4$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = 2\,x^2 + 4\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$
- $f(x) = 2\,x^2 + 8\,x - 8$
  $\mathcal{S} = \left\{-2^{\frac{3}{2}}-2\,;\,2^{\frac{3}{2}}-2\right\}$
- $f(x) = 2\,x^2 + 8\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{7}-2\,;\,\sqrt{7}-2\right\}$
- $f(x) = 2\,x^2 + 8\,x - 4$
  $\mathcal{S} = \left\{-\sqrt{6}-2\,;\,\sqrt{6}-2\right\}$
- $f(x) = 2\,x^2 + 8\,x - 2$
  $\mathcal{S} = \left\{-\sqrt{5}-2\,;\,\sqrt{5}-2\right\}$
- $f(x) = 2\,x^2 + 8\,x + 2$
  $\mathcal{S} = \left\{-\sqrt{3}-2\,;\,\sqrt{3}-2\right\}$
- $f(x) = 2\,x^2 + 8\,x + 4$
  $\mathcal{S} = \left\{-\sqrt{2}-2\,;\,\sqrt{2}-2\right\}$
- $f(x) = 3\,x^2 - 6\,x - 6$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$
- $f(x) = 3\,x^2 - 6\,x - 3$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = 3\,x^2 - 9$
  $\mathcal{S} = \left\{-\sqrt{3}\,;\,\sqrt{3}\right\}$
- $f(x) = 3\,x^2 - 6$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = 3\,x^2 + 6\,x - 6$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = 3\,x^2 + 6\,x - 3$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$
- $f(x) = 4\,x^2 - 8\,x - 8$
  $\mathcal{S} = \left\{1-\sqrt{3}\,;\,\sqrt{3}+1\right\}$

- $f(x) = 4x^2 - 8x - 4$
  $\mathcal{S} = \left\{1-\sqrt{2}\,;\,\sqrt{2}+1\right\}$
- $f(x) = 4x^2 - 8$
  $\mathcal{S} = \left\{-\sqrt{2}\,;\,\sqrt{2}\right\}$
- $f(x) = 4x^2 + 8x - 8$
  $\mathcal{S} = \left\{-\sqrt{3}-1\,;\,\sqrt{3}-1\right\}$
- $f(x) = 4x^2 + 8x - 4$
  $\mathcal{S} = \left\{-\sqrt{2}-1\,;\,\sqrt{2}-1\right\}$

4. Avec des solutions irrationnelles nécessitant une simplification :

La recherche de la forme simplifiée des racines des polynomes nécessite la simplication des racines du discriminant puis celle du quotient.

- $f(x) = -7x^2 - 7x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$
- $f(x) = -7x^2 - 6x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}+3}{7}\,;\,\frac{\sqrt{2}-3}{7}\right\}$
- $f(x) = -7x^2 - 6x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}+3}{7}\,;\,\frac{\sqrt{23}-3}{7}\right\}$
- $f(x) = -7x^2 - 6x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{30}+3}{7}\,;\,\frac{\sqrt{30}-3}{7}\right\}$
- $f(x) = -7x^2 - 6x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}+3}{7}\,;\,\frac{\sqrt{37}-3}{7}\right\}$
- $f(x) = -7x^2 - 6x + 5$
  $\mathcal{S} = \left\{-\frac{2\sqrt{11}+3}{7}\,;\,\frac{2\sqrt{11}-3}{7}\right\}$
- $f(x) = -7x^2 - 6x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{51}+3}{7}\,;\,\frac{\sqrt{51}-3}{7}\right\}$
- $f(x) = -7x^2 - 6x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{58}+3}{7}\,;\,\frac{\sqrt{58}-3}{7}\right\}$
- $f(x) = -7x^2 - 4x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}+2}{7}\,;\,\frac{\sqrt{11}-2}{7}\right\}$
- $f(x) = -7x^2 - 4x + 2$
  $\mathcal{S} = \left\{-\frac{3\sqrt{2}+2}{7}\,;\,\frac{3\sqrt{2}-2}{7}\right\}$
- $f(x) = -7x^2 - 4x + 4$
  $\mathcal{S} = \left\{-\frac{2^{\frac{5}{2}}+2}{7}\,;\,\frac{2^{\frac{5}{2}}-2}{7}\right\}$
- $f(x) = -7x^2 - 4x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}+2}{7}\,;\,\frac{\sqrt{39}-2}{7}\right\}$
- $f(x) = -7x^2 - 4x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{46}+2}{7}\,;\,\frac{\sqrt{46}-2}{7}\right\}$
- $f(x) = -7x^2 - 4x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{53}+2}{7}\,;\,\frac{\sqrt{53}-2}{7}\right\}$
- $f(x) = -7x^2 - 2x + 1$
  $\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}+1}{7}\,;\,\frac{2^{\frac{3}{2}}-1}{7}\right\}$
- $f(x) = -7x^2 - 2x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}+1}{7}\,;\,\frac{\sqrt{15}-1}{7}\right\}$
- $f(x) = -7x^2 - 2x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{22}+1}{7}\,;\,\frac{\sqrt{22}-1}{7}\right\}$
- $f(x) = -7x^2 - 2x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}+1}{7}\,;\,\frac{\sqrt{29}-1}{7}\right\}$
- $f(x) = -7x^2 - 2x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{43}+1}{7}\,;\,\frac{\sqrt{43}-1}{7}\right\}$
- $f(x) = -7x^2 - 2x + 7$
  $\mathcal{S} = \left\{-\frac{5\sqrt{2}+1}{7}\,;\,\frac{5\sqrt{2}-1}{7}\right\}$
- $f(x) = 1 - 7x^2$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{7}}\,;\,\frac{1}{\sqrt{7}}\right\}$
- $f(x) = 2 - 7x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{7}}\,;\,\frac{\sqrt{2}}{\sqrt{7}}\right\}$
- $f(x) = 3 - 7x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{7}}\,;\,\frac{\sqrt{3}}{\sqrt{7}}\right\}$
- $f(x) = 4 - 7x^2$
  $\mathcal{S} = \left\{-\frac{2}{\sqrt{7}}\,;\,\frac{2}{\sqrt{7}}\right\}$
- $f(x) = 5 - 7x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{7}}\,;\,\frac{\sqrt{5}}{\sqrt{7}}\right\}$
- $f(x) = 6 - 7x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}}{\sqrt{7}}\,;\,\frac{\sqrt{6}}{\sqrt{7}}\right\}$
- $f(x) = -7x^2 + 2x + 1$
  $\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}-1}{7}\,;\,\frac{2^{\frac{3}{2}}+1}{7}\right\}$
- $f(x) = -7x^2 + 2x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}-1}{7}\,;\,\frac{\sqrt{15}+1}{7}\right\}$
- $f(x) = -7x^2 + 2x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{22}-1}{7}\,;\,\frac{\sqrt{22}+1}{7}\right\}$
- $f(x) = -7x^2 + 2x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}-1}{7}\,;\,\frac{\sqrt{29}+1}{7}\right\}$
- $f(x) = -7x^2 + 2x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{43}-1}{7}\,;\,\frac{\sqrt{43}+1}{7}\right\}$
- $f(x) = -7x^2 + 2x + 7$
  $\mathcal{S} = \left\{-\frac{5\sqrt{2}-1}{7}\,;\,\frac{5\sqrt{2}+1}{7}\right\}$
- $f(x) = -7x^2 + 4x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}-2}{7}\,;\,\frac{\sqrt{11}+2}{7}\right\}$
- $f(x) = -7x^2 + 4x + 2$
  $\mathcal{S} = \left\{-\frac{3\sqrt{2}-2}{7}\,;\,\frac{3\sqrt{2}+2}{7}\right\}$
- $f(x) = -7x^2 + 4x + 4$
  $\mathcal{S} = \left\{-\frac{2^{\frac{5}{2}}-2}{7}\,;\,\frac{2^{\frac{5}{2}}+2}{7}\right\}$
- $f(x) = -7x^2 + 4x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}-2}{7}\,;\,\frac{\sqrt{39}+2}{7}\right\}$
- $f(x) = -7x^2 + 4x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{46}-2}{7}\,;\,\frac{\sqrt{46}+2}{7}\right\}$
- $f(x) = -7x^2 + 4x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{53}-2}{7}\,;\,\frac{\sqrt{53}+2}{7}\right\}$
- $f(x) = -7x^2 + 6x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}-3}{7}\,;\,\frac{\sqrt{2}+3}{7}\right\}$
- $f(x) = -7x^2 + 6x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}-3}{7}\,;\,\frac{\sqrt{23}+3}{7}\right\}$
- $f(x) = -7x^2 + 6x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{30}-3}{7}\,;\,\frac{\sqrt{30}+3}{7}\right\}$
- $f(x) = -7x^2 + 6x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}-3}{7}\,;\,\frac{\sqrt{37}+3}{7}\right\}$
- $f(x) = -7x^2 + 6x + 5$
  $\mathcal{S} = \left\{-\frac{2\sqrt{11}-3}{7}\,;\,\frac{2\sqrt{11}+3}{7}\right\}$
- $f(x) = -7x^2 + 6x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{51}-3}{7}\,;\,\frac{\sqrt{51}+3}{7}\right\}$
- $f(x) = -7x^2 + 6x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{58}-3}{7}\,;\,\frac{\sqrt{58}+3}{7}\right\}$
- $f(x) = -7x^2 + 7x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$

- $f(x) = -6\,x^2 - 6\,x - 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{3}+3}{6}\,;\,\dfrac{\sqrt{3}-3}{6}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{15}+3}{6}\,;\,\dfrac{\sqrt{15}-3}{6}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{21}+3}{6}\,;\,\dfrac{\sqrt{21}-3}{6}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 3$
$\mathcal{S} = \left\{-\dfrac{\sqrt{3}+1}{2}\,;\,\dfrac{\sqrt{3}-1}{2}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 4$
$\mathcal{S} = \left\{-\dfrac{\sqrt{33}+3}{6}\,;\,\dfrac{\sqrt{33}-3}{6}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{39}+3}{6}\,;\,\dfrac{\sqrt{39}-3}{6}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{5}+1}{2}\,;\,\dfrac{\sqrt{5}-1}{2}\right\}$
- $f(x) = -6\,x^2 - 6\,x + 7$
$\mathcal{S} = \left\{-\dfrac{\sqrt{51}+3}{6}\,;\,\dfrac{\sqrt{51}-3}{6}\right\}$
- $f(x) = -6\,x^2 - 4\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{10}+2}{6}\,;\,\dfrac{\sqrt{10}-2}{6}\right\}$
- $f(x) = -6\,x^2 - 4\,x + 3$
$\mathcal{S} = \left\{-\dfrac{\sqrt{22}+2}{6}\,;\,\dfrac{\sqrt{22}-2}{6}\right\}$
- $f(x) = -6\,x^2 - 4\,x + 4$
$\mathcal{S} = \left\{-\dfrac{\sqrt{7}+1}{3}\,;\,\dfrac{\sqrt{7}-1}{3}\right\}$
- $f(x) = -6\,x^2 - 4\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{34}+2}{6}\,;\,\dfrac{\sqrt{34}-2}{6}\right\}$
- $f(x) = -6\,x^2 - 4\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{10}+1}{3}\,;\,\dfrac{\sqrt{10}-1}{3}\right\}$
- $f(x) = -6\,x^2 - 4\,x + 7$
$\mathcal{S} = \left\{-\dfrac{\sqrt{46}+2}{6}\,;\,\dfrac{\sqrt{46}-2}{6}\right\}$
- $f(x) = -6\,x^2 - 3\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{17}+1}{4}\,;\,\dfrac{\sqrt{17}-1}{4}\right\}$
- $f(x) = -6\,x^2 - 2\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{7}+1}{6}\,;\,\dfrac{\sqrt{7}-1}{6}\right\}$
- $f(x) = -6\,x^2 - 2\,x + 2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{13}+1}{6}\,;\,\dfrac{\sqrt{13}-1}{6}\right\}$
- $f(x) = -6\,x^2 - 2\,x + 3$
$\mathcal{S} = \left\{-\dfrac{\sqrt{19}+1}{6}\,;\,\dfrac{\sqrt{19}-1}{6}\right\}$
- $f(x) = -6\,x^2 - 2\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{31}+1}{6}\,;\,\dfrac{\sqrt{31}-1}{6}\right\}$
- $f(x) = -6\,x^2 - 2\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{37}+1}{6}\,;\,\dfrac{\sqrt{37}-1}{6}\right\}$
- $f(x) = -6\,x^2 - 2\,x + 7$
$\mathcal{S} = \left\{-\dfrac{\sqrt{43}+1}{6}\,;\,\dfrac{\sqrt{43}-1}{6}\right\}$
- $f(x) = 1 - 6\,x^2$
$\mathcal{S} = \left\{-\dfrac{1}{\sqrt{6}}\,;\,\dfrac{1}{\sqrt{6}}\right\}$
- $f(x) = 2 - 6\,x^2$
$\mathcal{S} = \left\{-\dfrac{1}{\sqrt{3}}\,;\,\dfrac{1}{\sqrt{3}}\right\}$
- $f(x) = 3 - 6\,x^2$
$\mathcal{S} = \left\{-\dfrac{1}{\sqrt{2}}\,;\,\dfrac{1}{\sqrt{2}}\right\}$
- $f(x) = 4 - 6\,x^2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{2}}{\sqrt{3}}\,;\,\dfrac{\sqrt{2}}{\sqrt{3}}\right\}$
- $f(x) = 5 - 6\,x^2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{5}}{\sqrt{6}}\,;\,\dfrac{\sqrt{5}}{\sqrt{6}}\right\}$
- $f(x) = 7 - 6\,x^2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{7}}{\sqrt{6}}\,;\,\dfrac{\sqrt{7}}{\sqrt{6}}\right\}$
- $f(x) = -6\,x^2 + 2\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{7}-1}{6}\,;\,\dfrac{\sqrt{7}+1}{6}\right\}$
- $f(x) = -6\,x^2 + 2\,x + 2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{13}-1}{6}\,;\,\dfrac{\sqrt{13}+1}{6}\right\}$
- $f(x) = -6\,x^2 + 2\,x + 3$
$\mathcal{S} = \left\{-\dfrac{\sqrt{19}-1}{6}\,;\,\dfrac{\sqrt{19}+1}{6}\right\}$
- $f(x) = -6\,x^2 + 2\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{31}-1}{6}\,;\,\dfrac{\sqrt{31}+1}{6}\right\}$
- $f(x) = -6\,x^2 + 2\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{37}-1}{6}\,;\,\dfrac{\sqrt{37}+1}{6}\right\}$
- $f(x) = -6\,x^2 + 2\,x + 7$
$\mathcal{S} = \left\{-\dfrac{\sqrt{43}-1}{6}\,;\,\dfrac{\sqrt{43}+1}{6}\right\}$
- $f(x) = -6\,x^2 + 3\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{17}-1}{4}\,;\,\dfrac{\sqrt{17}+1}{4}\right\}$
- $f(x) = -6\,x^2 + 4\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{10}-2}{6}\,;\,\dfrac{\sqrt{10}+2}{6}\right\}$
- $f(x) = -6\,x^2 + 4\,x + 3$
$\mathcal{S} = \left\{-\dfrac{\sqrt{22}-2}{6}\,;\,\dfrac{\sqrt{22}+2}{6}\right\}$
- $f(x) = -6\,x^2 + 4\,x + 4$
$\mathcal{S} = \left\{-\dfrac{\sqrt{7}-1}{3}\,;\,\dfrac{\sqrt{7}+1}{3}\right\}$
- $f(x) = -6\,x^2 + 4\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{34}-2}{6}\,;\,\dfrac{\sqrt{34}+2}{6}\right\}$
- $f(x) = -6\,x^2 + 4\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{10}-1}{3}\,;\,\dfrac{\sqrt{10}+1}{3}\right\}$
- $f(x) = -6\,x^2 + 4\,x + 7$
$\mathcal{S} = \left\{-\dfrac{\sqrt{46}-2}{6}\,;\,\dfrac{\sqrt{46}+2}{6}\right\}$
- $f(x) = -6\,x^2 + 6\,x - 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{3}-3}{6}\,;\,\dfrac{\sqrt{3}+3}{6}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{15}-3}{6}\,;\,\dfrac{\sqrt{15}+3}{6}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{21}-3}{6}\,;\,\dfrac{\sqrt{21}+3}{6}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 3$
$\mathcal{S} = \left\{-\dfrac{\sqrt{3}-1}{2}\,;\,\dfrac{\sqrt{3}+1}{2}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 4$
$\mathcal{S} = \left\{-\dfrac{\sqrt{33}-3}{6}\,;\,\dfrac{\sqrt{33}+3}{6}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{39}-3}{6}\,;\,\dfrac{\sqrt{39}+3}{6}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{5}-1}{2}\,;\,\dfrac{\sqrt{5}+1}{2}\right\}$
- $f(x) = -6\,x^2 + 6\,x + 7$
$\mathcal{S} = \left\{-\dfrac{\sqrt{51}-3}{6}\,;\,\dfrac{\sqrt{51}+3}{6}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 1$
$\mathcal{S} = \left\{-\dfrac{\sqrt{14}+3}{5}\,;\,\dfrac{\sqrt{14}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{19}+3}{5}\,;\,\dfrac{\sqrt{19}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 3$
$\mathcal{S} = \left\{-\dfrac{2\sqrt{6}+3}{5}\,;\,\dfrac{2\sqrt{6}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 4$
$\mathcal{S} = \left\{-\dfrac{\sqrt{29}+3}{5}\,;\,\dfrac{\sqrt{29}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{34}+3}{5}\,;\,\dfrac{\sqrt{34}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 6$
$\mathcal{S} = \left\{-\dfrac{\sqrt{39}+3}{5}\,;\,\dfrac{\sqrt{39}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 6\,x + 7$
$\mathcal{S} = \left\{-\dfrac{2\sqrt{11}+3}{5}\,;\,\dfrac{2\sqrt{11}-3}{5}\right\}$
- $f(x) = -5\,x^2 - 5\,x + 5$
$\mathcal{S} = \left\{-\dfrac{\sqrt{5}+1}{2}\,;\,\dfrac{\sqrt{5}-1}{2}\right\}$
- $f(x) = -5\,x^2 - 4\,x + 2$
$\mathcal{S} = \left\{-\dfrac{\sqrt{14}+2}{5}\,;\,\dfrac{\sqrt{14}-2}{5}\right\}$
- $f(x) = -5\,x^2 - 4\,x + 3$

$\mathcal{S} = \left\{-\frac{\sqrt{19}+2}{5}\,;\,\frac{\sqrt{19}-2}{5}\right\}$

- $f(x) = -5\,x^2 - 4\,x + 4$
  $\mathcal{S} = \left\{-\frac{2\,\sqrt{6}+2}{5}\,;\,\frac{2\,\sqrt{6}-2}{5}\right\}$
- $f(x) = -5\,x^2 - 4\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}+2}{5}\,;\,\frac{\sqrt{29}-2}{5}\right\}$
- $f(x) = -5\,x^2 - 4\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{34}+2}{5}\,;\,\frac{\sqrt{34}-2}{5}\right\}$
- $f(x) = -5\,x^2 - 4\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}+2}{5}\,;\,\frac{\sqrt{39}-2}{5}\right\}$
- $f(x) = -5\,x^2 - 2\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}+1}{5}\,;\,\frac{\sqrt{6}-1}{5}\right\}$
- $f(x) = -5\,x^2 - 2\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}+1}{5}\,;\,\frac{\sqrt{11}-1}{5}\right\}$
- $f(x) = -5\,x^2 - 2\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}+1}{5}\,;\,\frac{\sqrt{21}-1}{5}\right\}$
- $f(x) = -5\,x^2 - 2\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{26}+1}{5}\,;\,\frac{\sqrt{26}-1}{5}\right\}$
- $f(x) = -5\,x^2 - 2\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{31}+1}{5}\,;\,\frac{\sqrt{31}-1}{5}\right\}$
- $f(x) = 1 - 5\,x^2$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{5}}\,;\,\frac{1}{\sqrt{5}}\right\}$
- $f(x) = 2 - 5\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{5}}\,;\,\frac{\sqrt{2}}{\sqrt{5}}\right\}$
- $f(x) = 3 - 5\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{5}}\,;\,\frac{\sqrt{3}}{\sqrt{5}}\right\}$
- $f(x) = 4 - 5\,x^2$
  $\mathcal{S} = \left\{-\frac{2}{\sqrt{5}}\,;\,\frac{2}{\sqrt{5}}\right\}$
- $f(x) = 6 - 5\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}}{\sqrt{5}}\,;\,\frac{\sqrt{6}}{\sqrt{5}}\right\}$
- $f(x) = 7 - 5\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{5}}\,;\,\frac{\sqrt{7}}{\sqrt{5}}\right\}$
- $f(x) = -5\,x^2 + 2\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}-1}{5}\,;\,\frac{\sqrt{6}+1}{5}\right\}$
- $f(x) = -5\,x^2 + 2\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}-1}{5}\,;\,\frac{\sqrt{11}+1}{5}\right\}$
- $f(x) = -5\,x^2 + 2\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}-1}{5}\,;\,\frac{\sqrt{21}+1}{5}\right\}$
- $f(x) = -5\,x^2 + 2\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{26}-1}{5}\,;\,\frac{\sqrt{26}+1}{5}\right\}$
- $f(x) = -5\,x^2 + 2\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{31}-1}{5}\,;\,\frac{\sqrt{31}+1}{5}\right\}$
- $f(x) = -5\,x^2 + 4\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{14}-2}{5}\,;\,\frac{\sqrt{14}+2}{5}\right\}$
- $f(x) = -5\,x^2 + 4\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}-2}{5}\,;\,\frac{\sqrt{19}+2}{5}\right\}$
- $f(x) = -5\,x^2 + 4\,x + 4$
  $\mathcal{S} = \left\{-\frac{2\,\sqrt{6}-2}{5}\,;\,\frac{2\,\sqrt{6}+2}{5}\right\}$
- $f(x) = -5\,x^2 + 4\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}-2}{5}\,;\,\frac{\sqrt{29}+2}{5}\right\}$
- $f(x) = -5\,x^2 + 4\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{34}-2}{5}\,;\,\frac{\sqrt{34}+2}{5}\right\}$
- $f(x) = -5\,x^2 + 4\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}-2}{5}\,;\,\frac{\sqrt{39}+2}{5}\right\}$
- $f(x) = -5\,x^2 + 5\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{14}-3}{5}\,;\,\frac{\sqrt{14}+3}{5}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}-3}{5}\,;\,\frac{\sqrt{19}+3}{5}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 3$
  $\mathcal{S} = \left\{-\frac{2\,\sqrt{6}-3}{5}\,;\,\frac{2\,\sqrt{6}+3}{5}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}-3}{5}\,;\,\frac{\sqrt{29}+3}{5}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{34}-3}{5}\,;\,\frac{\sqrt{34}+3}{5}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}-3}{5}\,;\,\frac{\sqrt{39}+3}{5}\right\}$
- $f(x) = -5\,x^2 + 6\,x + 7$
  $\mathcal{S} = \left\{-\frac{2\,\sqrt{11}-3}{5}\,;\,\frac{2\,\sqrt{11}+3}{5}\right\}$
- $f(x) = -4\,x^2 - 6\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+3}{4}\,;\,\frac{\sqrt{5}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}+3}{4}\,;\,\frac{\sqrt{13}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 6\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}+3}{4}\,;\,\frac{\sqrt{17}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 6\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{4}\,;\,\frac{\sqrt{21}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 6\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}+3}{4}\,;\,\frac{\sqrt{29}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 6\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{33}+3}{4}\,;\,\frac{\sqrt{33}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 6\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}+3}{4}\,;\,\frac{\sqrt{37}-3}{4}\right\}$
- $f(x) = -4\,x^2 - 4\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}+1}{2}\,;\,\frac{\sqrt{2}-1}{2}\right\}$
- $f(x) = -4\,x^2 - 4\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}+1}{2}\,;\,\frac{\sqrt{3}-1}{2}\right\}$
- $f(x) = -4\,x^2 - 4\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$
- $f(x) = -4\,x^2 - 4\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}+1}{2}\,;\,\frac{\sqrt{6}-1}{2}\right\}$
- $f(x) = -4\,x^2 - 4\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{2}\,;\,\frac{\sqrt{7}-1}{2}\right\}$
- $f(x) = -4\,x^2 - 4\,x + 7$
  $\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}+1}{2}\,;\,\frac{2^{\frac{3}{2}}-1}{2}\right\}$
- $f(x) = -4\,x^2 - 2\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{4}\,;\,\frac{\sqrt{5}-1}{4}\right\}$
- $f(x) = -4\,x^2 - 2\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{4}\,;\,\frac{\sqrt{13}-1}{4}\right\}$
- $f(x) = -4\,x^2 - 2\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}+1}{4}\,;\,\frac{\sqrt{17}-1}{4}\right\}$
- $f(x) = -4\,x^2 - 2\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}+1}{4}\,;\,\frac{\sqrt{21}-1}{4}\right\}$
- $f(x) = -4\,x^2 - 2\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}+1}{4}\,;\,\frac{\sqrt{29}-1}{4}\right\}$
- $f(x) = 2 - 4\,x^2$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{2}}\,;\,\frac{1}{\sqrt{2}}\right\}$
- $f(x) = 3 - 4\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}}{2}\,;\,\frac{\sqrt{3}}{2}\right\}$
- $f(x) = 5 - 4\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}}{2}\,;\,\frac{\sqrt{5}}{2}\right\}$
- $f(x) = 6 - 4\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{2}}\,;\,\frac{\sqrt{3}}{\sqrt{2}}\right\}$
- $f(x) = 7 - 4\,x^2$

$$\mathcal{S} = \left\{-\frac{\sqrt{7}}{2}\,;\,\frac{\sqrt{7}}{2}\right\}$$

- $f(x) = -4\,x^2 + 2\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{4}\,;\,\frac{\sqrt{5}+1}{4}\right\}$$
- $f(x) = -4\,x^2 + 2\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{4}\,;\,\frac{\sqrt{13}+1}{4}\right\}$$
- $f(x) = -4\,x^2 + 2\,x + 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{17}-1}{4}\,;\,\frac{\sqrt{17}+1}{4}\right\}$$
- $f(x) = -4\,x^2 + 2\,x + 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}-1}{4}\,;\,\frac{\sqrt{21}+1}{4}\right\}$$
- $f(x) = -4\,x^2 + 2\,x + 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{29}-1}{4}\,;\,\frac{\sqrt{29}+1}{4}\right\}$$
- $f(x) = -4\,x^2 + 4\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}-1}{2}\,;\,\frac{\sqrt{2}+1}{2}\right\}$$
- $f(x) = -4\,x^2 + 4\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}-1}{2}\,;\,\frac{\sqrt{3}+1}{2}\right\}$$
- $f(x) = -4\,x^2 + 4\,x + 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$$
- $f(x) = -4\,x^2 + 4\,x + 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}-1}{2}\,;\,\frac{\sqrt{6}+1}{2}\right\}$$
- $f(x) = -4\,x^2 + 4\,x + 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{2}\,;\,\frac{\sqrt{7}+1}{2}\right\}$$
- $f(x) = -4\,x^2 + 4\,x + 7$
$$\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}-1}{2}\,;\,\frac{2^{\frac{3}{2}}+1}{2}\right\}$$
- $f(x) = -4\,x^2 + 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-3}{4}\,;\,\frac{\sqrt{5}+3}{4}\right\}$$
- $f(x) = -4\,x^2 + 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-3}{4}\,;\,\frac{\sqrt{13}+3}{4}\right\}$$
- $f(x) = -4\,x^2 + 6\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{17}-3}{4}\,;\,\frac{\sqrt{17}+3}{4}\right\}$$
- $f(x) = -4\,x^2 + 6\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{4}\,;\,\frac{\sqrt{21}+3}{4}\right\}$$
- $f(x) = -4\,x^2 + 6\,x + 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{29}-3}{4}\,;\,\frac{\sqrt{29}+3}{4}\right\}$$
- $f(x) = -4\,x^2 + 6\,x + 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{33}-3}{4}\,;\,\frac{\sqrt{33}+3}{4}\right\}$$
- $f(x) = -4\,x^2 + 6\,x + 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{37}-3}{4}\,;\,\frac{\sqrt{37}+3}{4}\right\}$$
- $f(x) = -3\,x^2 - 6\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}+3}{3}\,;\,\frac{\sqrt{3}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}+3}{3}\,;\,\frac{\sqrt{6}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{2\,\sqrt{3}+3}{3}\,;\,\frac{2\,\sqrt{3}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 6\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}+3}{3}\,;\,\frac{\sqrt{15}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 6\,x + 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{3}\,;\,\frac{\sqrt{21}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 6\,x + 5$
$$\mathcal{S} = \left\{-\frac{2\,\sqrt{6}+3}{3}\,;\,\frac{2\,\sqrt{6}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 6\,x + 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{30}+3}{3}\,;\,\frac{\sqrt{30}-3}{3}\right\}$$
- $f(x) = -3\,x^2 - 4\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+2}{3}\,;\,\frac{\sqrt{7}-2}{3}\right\}$$
- $f(x) = -3\,x^2 - 4\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}+2}{3}\,;\,\frac{\sqrt{10}-2}{3}\right\}$$
- $f(x) = -3\,x^2 - 4\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+2}{3}\,;\,\frac{\sqrt{13}-2}{3}\right\}$$
- $f(x) = -3\,x^2 - 4\,x + 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}+2}{3}\,;\,\frac{\sqrt{19}-2}{3}\right\}$$
- $f(x) = -3\,x^2 - 4\,x + 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}+2}{3}\,;\,\frac{\sqrt{22}-2}{3}\right\}$$
- $f(x) = -3\,x^2 - 3\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$$
- $f(x) = -3\,x^2 - 2\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{3}\,;\,\frac{\sqrt{7}-1}{3}\right\}$$
- $f(x) = -3\,x^2 - 2\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}+1}{3}\,;\,\frac{\sqrt{10}-1}{3}\right\}$$
- $f(x) = -3\,x^2 - 2\,x + 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{3}\,;\,\frac{\sqrt{13}-1}{3}\right\}$$
- $f(x) = -3\,x^2 - 2\,x + 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}+1}{3}\,;\,\frac{\sqrt{19}-1}{3}\right\}$$
- $f(x) = -3\,x^2 - 2\,x + 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}+1}{3}\,;\,\frac{\sqrt{22}-1}{3}\right\}$$
- $f(x) = 1 - 3\,x^2$
$$\mathcal{S} = \left\{-\frac{1}{\sqrt{3}}\,;\,\frac{1}{\sqrt{3}}\right\}$$
- $f(x) = 2 - 3\,x^2$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{3}}\,;\,\frac{\sqrt{2}}{\sqrt{3}}\right\}$$
- $f(x) = 4 - 3\,x^2$
$$\mathcal{S} = \left\{-\frac{2}{\sqrt{3}}\,;\,\frac{2}{\sqrt{3}}\right\}$$
- $f(x) = 5 - 3\,x^2$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{3}}\,;\,\frac{\sqrt{5}}{\sqrt{3}}\right\}$$
- $f(x) = 7 - 3\,x^2$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{3}}\,;\,\frac{\sqrt{7}}{\sqrt{3}}\right\}$$
- $f(x) = -3\,x^2 + 2\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{3}\,;\,\frac{\sqrt{7}+1}{3}\right\}$$
- $f(x) = -3\,x^2 + 2\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}-1}{3}\,;\,\frac{\sqrt{10}+1}{3}\right\}$$
- $f(x) = -3\,x^2 + 2\,x + 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{3}\,;\,\frac{\sqrt{13}+1}{3}\right\}$$
- $f(x) = -3\,x^2 + 2\,x + 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}-1}{3}\,;\,\frac{\sqrt{19}+1}{3}\right\}$$
- $f(x) = -3\,x^2 + 2\,x + 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}-1}{3}\,;\,\frac{\sqrt{22}+1}{3}\right\}$$
- $f(x) = -3\,x^2 + 3\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$$
- $f(x) = -3\,x^2 + 4\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-2}{3}\,;\,\frac{\sqrt{7}+2}{3}\right\}$$
- $f(x) = -3\,x^2 + 4\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}-2}{3}\,;\,\frac{\sqrt{10}+2}{3}\right\}$$
- $f(x) = -3\,x^2 + 4\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-2}{3}\,;\,\frac{\sqrt{13}+2}{3}\right\}$$
- $f(x) = -3\,x^2 + 4\,x + 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}-2}{3}\,;\,\frac{\sqrt{19}+2}{3}\right\}$$
- $f(x) = -3\,x^2 + 4\,x + 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}-2}{3}\,;\,\frac{\sqrt{22}+2}{3}\right\}$$
- $f(x) = -3\,x^2 + 6\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}-3}{3}\,;\,\frac{\sqrt{3}+3}{3}\right\}$$
- $f(x) = -3\,x^2 + 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}-3}{3}\,;\,\frac{\sqrt{6}+3}{3}\right\}$$
- $f(x) = -3\,x^2 + 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{2\,\sqrt{3}-3}{3}\,;\,\frac{2\,\sqrt{3}+3}{3}\right\}$$
- $f(x) = -3\,x^2 + 6\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}-3}{3}\,;\,\frac{\sqrt{15}+3}{3}\right\}$$
- $f(x) = -3\,x^2 + 6\,x + 4$

$\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{3}\,;\,\frac{\sqrt{21}+3}{3}\right\}$

- $f(x) = -3\,x^2 + 6\,x + 5$
  $\mathcal{S} = \left\{-\frac{2\,\sqrt{6}-3}{3}\,;\,\frac{2\,\sqrt{6}+3}{3}\right\}$
- $f(x) = -3\,x^2 + 6\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{30}-3}{3}\,;\,\frac{\sqrt{30}+3}{3}\right\}$
- $f(x) = -2\,x^2 - 6\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}+3}{2}\,;\,\frac{\sqrt{3}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+3}{2}\,;\,\frac{\sqrt{5}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}+3}{2}\,;\,\frac{\sqrt{7}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}+3}{2}\,;\,\frac{\sqrt{11}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}+3}{2}\,;\,\frac{\sqrt{13}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}+3}{2}\,;\,\frac{\sqrt{15}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}+3}{2}\,;\,\frac{\sqrt{17}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}+3}{2}\,;\,\frac{\sqrt{19}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{2}\,;\,\frac{\sqrt{21}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 6\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}+3}{2}\,;\,\frac{\sqrt{23}-3}{2}\right\}$
- $f(x) = -2\,x^2 - 4\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}+2}{2}\,;\,\frac{\sqrt{2}-2}{2}\right\}$
- $f(x) = -2\,x^2 - 4\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}+2}{2}\,;\,\frac{\sqrt{6}-2}{2}\right\}$
- $f(x) = -2\,x^2 - 4\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{10}+2}{2}\,;\,\frac{\sqrt{10}-2}{2}\right\}$
- $f(x) = -2\,x^2 - 4\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{14}+2}{2}\,;\,\frac{\sqrt{14}-2}{2}\right\}$
- $f(x) = -2\,x^2 - 4\,x + 7$
  $\mathcal{S} = \left\{-\frac{3\,\sqrt{2}+2}{2}\,;\,\frac{3\,\sqrt{2}-2}{2}\right\}$
- $f(x) = -2\,x^2 - 2\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}+1}{2}\,;\,\frac{\sqrt{3}-1}{2}\right\}$
- $f(x) = -2\,x^2 - 2\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$
- $f(x) = -2\,x^2 - 2\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{2}\,;\,\frac{\sqrt{7}-1}{2}\right\}$
- $f(x) = -2\,x^2 - 2\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}+1}{2}\,;\,\frac{\sqrt{11}-1}{2}\right\}$
- $f(x) = -2\,x^2 - 2\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{2}\,;\,\frac{\sqrt{13}-1}{2}\right\}$
- $f(x) = -2\,x^2 - 2\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}+1}{2}\,;\,\frac{\sqrt{15}-1}{2}\right\}$
- $f(x) = 1 - 2\,x^2$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{2}}\,;\,\frac{1}{\sqrt{2}}\right\}$
- $f(x) = 3 - 2\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{2}}\,;\,\frac{\sqrt{3}}{\sqrt{2}}\right\}$
- $f(x) = 5 - 2\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{2}}\,;\,\frac{\sqrt{5}}{\sqrt{2}}\right\}$
- $f(x) = 7 - 2\,x^2$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{2}}\,;\,\frac{\sqrt{7}}{\sqrt{2}}\right\}$
- $f(x) = -2\,x^2 + 2\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}-1}{2}\,;\,\frac{\sqrt{3}+1}{2}\right\}$
- $f(x) = -2\,x^2 + 2\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$
- $f(x) = -2\,x^2 + 2\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{2}\,;\,\frac{\sqrt{7}+1}{2}\right\}$
- $f(x) = -2\,x^2 + 2\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}-1}{2}\,;\,\frac{\sqrt{11}+1}{2}\right\}$
- $f(x) = -2\,x^2 + 2\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{2}\,;\,\frac{\sqrt{13}+1}{2}\right\}$
- $f(x) = -2\,x^2 + 2\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}-1}{2}\,;\,\frac{\sqrt{15}+1}{2}\right\}$
- $f(x) = -2\,x^2 + 4\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}-2}{2}\,;\,\frac{\sqrt{2}+2}{2}\right\}$
- $f(x) = -2\,x^2 + 4\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}-2}{2}\,;\,\frac{\sqrt{6}+2}{2}\right\}$
- $f(x) = -2\,x^2 + 4\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{10}-2}{2}\,;\,\frac{\sqrt{10}+2}{2}\right\}$
- $f(x) = -2\,x^2 + 4\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{14}-2}{2}\,;\,\frac{\sqrt{14}+2}{2}\right\}$
- $f(x) = -2\,x^2 + 4\,x + 7$
  $\mathcal{S} = \left\{-\frac{3\,\sqrt{2}-2}{2}\,;\,\frac{3\,\sqrt{2}+2}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}-3}{2}\,;\,\frac{\sqrt{3}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}-3}{2}\,;\,\frac{\sqrt{5}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}-3}{2}\,;\,\frac{\sqrt{7}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}-3}{2}\,;\,\frac{\sqrt{11}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}-3}{2}\,;\,\frac{\sqrt{13}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}-3}{2}\,;\,\frac{\sqrt{15}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}-3}{2}\,;\,\frac{\sqrt{17}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}-3}{2}\,;\,\frac{\sqrt{19}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{2}\,;\,\frac{\sqrt{21}+3}{2}\right\}$
- $f(x) = -2\,x^2 + 6\,x + 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}-3}{2}\,;\,\frac{\sqrt{23}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}-3}{2}\,;\,\frac{\sqrt{23}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{2}\,;\,\frac{\sqrt{21}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}-3}{2}\,;\,\frac{\sqrt{19}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}-3}{2}\,;\,\frac{\sqrt{17}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}-3}{2}\,;\,\frac{\sqrt{15}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}-3}{2}\,;\,\frac{\sqrt{13}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}-3}{2}\,;\,\frac{\sqrt{11}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}-3}{2}\,;\,\frac{\sqrt{7}+3}{2}\right\}$
- $f(x) = 2\,x^2 - 6\,x + 2$

$$\mathcal{S} = \left\{-\frac{\sqrt{5}-3}{2}\,;\,\frac{\sqrt{5}+3}{2}\right\}$$

- $f(x) = 2\,x^2 - 6\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}-3}{2}\,;\,\frac{\sqrt{3}+3}{2}\right\}$$
- $f(x) = 2\,x^2 - 4\,x - 7$
$$\mathcal{S} = \left\{-\frac{3\,\sqrt{2}-2}{2}\,;\,\frac{3\,\sqrt{2}+2}{2}\right\}$$
- $f(x) = 2\,x^2 - 4\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{14}-2}{2}\,;\,\frac{\sqrt{14}+2}{2}\right\}$$
- $f(x) = 2\,x^2 - 4\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}-2}{2}\,;\,\frac{\sqrt{10}+2}{2}\right\}$$
- $f(x) = 2\,x^2 - 4\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}-2}{2}\,;\,\frac{\sqrt{6}+2}{2}\right\}$$
- $f(x) = 2\,x^2 - 4\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}-2}{2}\,;\,\frac{\sqrt{2}+2}{2}\right\}$$
- $f(x) = 2\,x^2 - 2\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}-1}{2}\,;\,\frac{\sqrt{15}+1}{2}\right\}$$
- $f(x) = 2\,x^2 - 2\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{2}\,;\,\frac{\sqrt{13}+1}{2}\right\}$$
- $f(x) = 2\,x^2 - 2\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{11}-1}{2}\,;\,\frac{\sqrt{11}+1}{2}\right\}$$
- $f(x) = 2\,x^2 - 2\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{2}\,;\,\frac{\sqrt{7}+1}{2}\right\}$$
- $f(x) = 2\,x^2 - 2\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$$
- $f(x) = 2\,x^2 - 2\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}-1}{2}\,;\,\frac{\sqrt{3}+1}{2}\right\}$$
- $f(x) = 2\,x^2 - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{2}}\,;\,\frac{\sqrt{7}}{\sqrt{2}}\right\}$$
- $f(x) = 2\,x^2 - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{2}}\,;\,\frac{\sqrt{5}}{\sqrt{2}}\right\}$$
- $f(x) = 2\,x^2 - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{2}}\,;\,\frac{\sqrt{3}}{\sqrt{2}}\right\}$$
- $f(x) = 2\,x^2 - 1$
$$\mathcal{S} = \left\{-\frac{1}{\sqrt{2}}\,;\,\frac{1}{\sqrt{2}}\right\}$$
- $f(x) = 2\,x^2 + 2\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}+1}{2}\,;\,\frac{\sqrt{15}-1}{2}\right\}$$
- $f(x) = 2\,x^2 + 2\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{2}\,;\,\frac{\sqrt{13}-1}{2}\right\}$$
- $f(x) = 2\,x^2 + 2\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{11}+1}{2}\,;\,\frac{\sqrt{11}-1}{2}\right\}$$
- $f(x) = 2\,x^2 + 2\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{2}\,;\,\frac{\sqrt{7}-1}{2}\right\}$$
- $f(x) = 2\,x^2 + 2\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$$
- $f(x) = 2\,x^2 + 2\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}+1}{2}\,;\,\frac{\sqrt{3}-1}{2}\right\}$$
- $f(x) = 2\,x^2 + 4\,x - 7$
$$\mathcal{S} = \left\{-\frac{3\,\sqrt{2}+2}{2}\,;\,\frac{3\,\sqrt{2}-2}{2}\right\}$$
- $f(x) = 2\,x^2 + 4\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{14}+2}{2}\,;\,\frac{\sqrt{14}-2}{2}\right\}$$
- $f(x) = 2\,x^2 + 4\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}+2}{2}\,;\,\frac{\sqrt{10}-2}{2}\right\}$$
- $f(x) = 2\,x^2 + 4\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}+2}{2}\,;\,\frac{\sqrt{6}-2}{2}\right\}$$
- $f(x) = 2\,x^2 + 4\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}+2}{2}\,;\,\frac{\sqrt{2}-2}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{23}+3}{2}\,;\,\frac{\sqrt{23}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{2}\,;\,\frac{\sqrt{21}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}+3}{2}\,;\,\frac{\sqrt{19}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{17}+3}{2}\,;\,\frac{\sqrt{17}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}+3}{2}\,;\,\frac{\sqrt{15}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+3}{2}\,;\,\frac{\sqrt{13}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{11}+3}{2}\,;\,\frac{\sqrt{11}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+3}{2}\,;\,\frac{\sqrt{7}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}+3}{2}\,;\,\frac{\sqrt{5}-3}{2}\right\}$$
- $f(x) = 2\,x^2 + 6\,x + 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}+3}{2}\,;\,\frac{\sqrt{3}-3}{2}\right\}$$
- $f(x) = 3\,x^2 - 6\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{30}-3}{3}\,;\,\frac{\sqrt{30}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 6\,x - 5$
$$\mathcal{S} = \left\{-\frac{2\,\sqrt{6}-3}{3}\,;\,\frac{2\,\sqrt{6}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 6\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{3}\,;\,\frac{\sqrt{21}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 6\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}-3}{3}\,;\,\frac{\sqrt{15}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{2\,\sqrt{3}-3}{3}\,;\,\frac{2\,\sqrt{3}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}-3}{3}\,;\,\frac{\sqrt{6}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 6\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}-3}{3}\,;\,\frac{\sqrt{3}+3}{3}\right\}$$
- $f(x) = 3\,x^2 - 4\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}-2}{3}\,;\,\frac{\sqrt{22}+2}{3}\right\}$$
- $f(x) = 3\,x^2 - 4\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}-2}{3}\,;\,\frac{\sqrt{19}+2}{3}\right\}$$
- $f(x) = 3\,x^2 - 4\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-2}{3}\,;\,\frac{\sqrt{13}+2}{3}\right\}$$
- $f(x) = 3\,x^2 - 4\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}-2}{3}\,;\,\frac{\sqrt{10}+2}{3}\right\}$$
- $f(x) = 3\,x^2 - 4\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-2}{3}\,;\,\frac{\sqrt{7}+2}{3}\right\}$$
- $f(x) = 3\,x^2 - 3\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$$
- $f(x) = 3\,x^2 - 2\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}-1}{3}\,;\,\frac{\sqrt{22}+1}{3}\right\}$$
- $f(x) = 3\,x^2 - 2\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}-1}{3}\,;\,\frac{\sqrt{19}+1}{3}\right\}$$
- $f(x) = 3\,x^2 - 2\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{3}\,;\,\frac{\sqrt{13}+1}{3}\right\}$$
- $f(x) = 3\,x^2 - 2\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}-1}{3}\,;\,\frac{\sqrt{10}+1}{3}\right\}$$
- $f(x) = 3\,x^2 - 2\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{3}\,;\,\frac{\sqrt{7}+1}{3}\right\}$$
- $f(x) = 3\,x^2 - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{3}}\,;\,\frac{\sqrt{7}}{\sqrt{3}}\right\}$$
- $f(x) = 3\,x^2 - 5$

$$\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{3}}\,;\,\frac{\sqrt{5}}{\sqrt{3}}\right\}$$

- $f(x) = 3\,x^2 - 4$
$$\mathcal{S} = \left\{-\frac{2}{\sqrt{3}}\,;\,\frac{2}{\sqrt{3}}\right\}$$
- $f(x) = 3\,x^2 - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{3}}\,;\,\frac{\sqrt{2}}{\sqrt{3}}\right\}$$
- $f(x) = 3\,x^2 - 1$
$$\mathcal{S} = \left\{-\frac{1}{\sqrt{3}}\,;\,\frac{1}{\sqrt{3}}\right\}$$
- $f(x) = 3\,x^2 + 2\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}+1}{3}\,;\,\frac{\sqrt{22}-1}{3}\right\}$$
- $f(x) = 3\,x^2 + 2\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}+1}{3}\,;\,\frac{\sqrt{19}-1}{3}\right\}$$
- $f(x) = 3\,x^2 + 2\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{3}\,;\,\frac{\sqrt{13}-1}{3}\right\}$$
- $f(x) = 3\,x^2 + 2\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}+1}{3}\,;\,\frac{\sqrt{10}-1}{3}\right\}$$
- $f(x) = 3\,x^2 + 2\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{3}\,;\,\frac{\sqrt{7}-1}{3}\right\}$$
- $f(x) = 3\,x^2 + 3\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$$
- $f(x) = 3\,x^2 + 4\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{22}+2}{3}\,;\,\frac{\sqrt{22}-2}{3}\right\}$$
- $f(x) = 3\,x^2 + 4\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{19}+2}{3}\,;\,\frac{\sqrt{19}-2}{3}\right\}$$
- $f(x) = 3\,x^2 + 4\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+2}{3}\,;\,\frac{\sqrt{13}-2}{3}\right\}$$
- $f(x) = 3\,x^2 + 4\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{10}+2}{3}\,;\,\frac{\sqrt{10}-2}{3}\right\}$$
- $f(x) = 3\,x^2 + 4\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+2}{3}\,;\,\frac{\sqrt{7}-2}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{30}+3}{3}\,;\,\frac{\sqrt{30}-3}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x - 5$
$$\mathcal{S} = \left\{-\frac{2\sqrt{6}+3}{3}\,;\,\frac{2\sqrt{6}-3}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{3}\,;\,\frac{\sqrt{21}-3}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{15}+3}{3}\,;\,\frac{\sqrt{15}-3}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{2\sqrt{3}+3}{3}\,;\,\frac{2\sqrt{3}-3}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}+3}{3}\,;\,\frac{\sqrt{6}-3}{3}\right\}$$
- $f(x) = 3\,x^2 + 6\,x + 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}+3}{3}\,;\,\frac{\sqrt{3}-3}{3}\right\}$$
- $f(x) = 4\,x^2 - 6\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{37}-3}{4}\,;\,\frac{\sqrt{37}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 6\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{33}-3}{4}\,;\,\frac{\sqrt{33}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 6\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{29}-3}{4}\,;\,\frac{\sqrt{29}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 6\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{4}\,;\,\frac{\sqrt{21}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 6\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{17}-3}{4}\,;\,\frac{\sqrt{17}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 6\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-3}{4}\,;\,\frac{\sqrt{13}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 6\,x + 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-3}{4}\,;\,\frac{\sqrt{5}+3}{4}\right\}$$
- $f(x) = 4\,x^2 - 4\,x - 7$
$$\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}-1}{2}\,;\,\frac{2^{\frac{3}{2}}+1}{2}\right\}$$
- $f(x) = 4\,x^2 - 4\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{2}\,;\,\frac{\sqrt{7}+1}{2}\right\}$$
- $f(x) = 4\,x^2 - 4\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}-1}{2}\,;\,\frac{\sqrt{6}+1}{2}\right\}$$
- $f(x) = 4\,x^2 - 4\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$$
- $f(x) = 4\,x^2 - 4\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}-1}{2}\,;\,\frac{\sqrt{3}+1}{2}\right\}$$
- $f(x) = 4\,x^2 - 4\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}-1}{2}\,;\,\frac{\sqrt{2}+1}{2}\right\}$$
- $f(x) = 4\,x^2 - 2\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{29}-1}{4}\,;\,\frac{\sqrt{29}+1}{4}\right\}$$
- $f(x) = 4\,x^2 - 2\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}-1}{4}\,;\,\frac{\sqrt{21}+1}{4}\right\}$$
- $f(x) = 4\,x^2 - 2\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{17}-1}{4}\,;\,\frac{\sqrt{17}+1}{4}\right\}$$
- $f(x) = 4\,x^2 - 2\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{4}\,;\,\frac{\sqrt{13}+1}{4}\right\}$$
- $f(x) = 4\,x^2 - 2\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{4}\,;\,\frac{\sqrt{5}+1}{4}\right\}$$
- $f(x) = 4\,x^2 - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}}{2}\,;\,\frac{\sqrt{7}}{2}\right\}$$
- $f(x) = 4\,x^2 - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{2}}\,;\,\frac{\sqrt{3}}{\sqrt{2}}\right\}$$
- $f(x) = 4\,x^2 - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}}{2}\,;\,\frac{\sqrt{5}}{2}\right\}$$
- $f(x) = 4\,x^2 - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}}{2}\,;\,\frac{\sqrt{3}}{2}\right\}$$
- $f(x) = 4\,x^2 - 2$
$$\mathcal{S} = \left\{-\frac{1}{\sqrt{2}}\,;\,\frac{1}{\sqrt{2}}\right\}$$
- $f(x) = 4\,x^2 + 2\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{29}+1}{4}\,;\,\frac{\sqrt{29}-1}{4}\right\}$$
- $f(x) = 4\,x^2 + 2\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{21}+1}{4}\,;\,\frac{\sqrt{21}-1}{4}\right\}$$
- $f(x) = 4\,x^2 + 2\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{17}+1}{4}\,;\,\frac{\sqrt{17}-1}{4}\right\}$$
- $f(x) = 4\,x^2 + 2\,x - 3$
$$\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{4}\,;\,\frac{\sqrt{13}-1}{4}\right\}$$
- $f(x) = 4\,x^2 + 2\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{4}\,;\,\frac{\sqrt{5}-1}{4}\right\}$$
- $f(x) = 4\,x^2 + 4\,x - 7$
$$\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}+1}{2}\,;\,\frac{2^{\frac{3}{2}}-1}{2}\right\}$$
- $f(x) = 4\,x^2 + 4\,x - 6$
$$\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{2}\,;\,\frac{\sqrt{7}-1}{2}\right\}$$
- $f(x) = 4\,x^2 + 4\,x - 5$
$$\mathcal{S} = \left\{-\frac{\sqrt{6}+1}{2}\,;\,\frac{\sqrt{6}-1}{2}\right\}$$
- $f(x) = 4\,x^2 + 4\,x - 4$
$$\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$$
- $f(x) = 4\,x^2 + 4\,x - 2$
$$\mathcal{S} = \left\{-\frac{\sqrt{3}+1}{2}\,;\,\frac{\sqrt{3}-1}{2}\right\}$$
- $f(x) = 4\,x^2 + 4\,x - 1$
$$\mathcal{S} = \left\{-\frac{\sqrt{2}+1}{2}\,;\,\frac{\sqrt{2}-1}{2}\right\}$$
- $f(x) = 4\,x^2 + 6\,x - 7$
$$\mathcal{S} = \left\{-\frac{\sqrt{37}+3}{4}\,;\,\frac{\sqrt{37}-3}{4}\right\}$$
- $f(x) = 4\,x^2 + 6\,x - 6$

$\mathcal{S} = \left\{-\frac{\sqrt{33}+3}{4}\,;\,\frac{\sqrt{33}-3}{4}\right\}$

- $f(x) = 4\,x^2 + 6\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{29}+3}{4}\,;\,\frac{\sqrt{29}-3}{4}\right\}$
- $f(x) = 4\,x^2 + 6\,x - 3$
$\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{4}\,;\,\frac{\sqrt{21}-3}{4}\right\}$
- $f(x) = 4\,x^2 + 6\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{17}+3}{4}\,;\,\frac{\sqrt{17}-3}{4}\right\}$
- $f(x) = 4\,x^2 + 6\,x - 1$
$\mathcal{S} = \left\{-\frac{\sqrt{13}+3}{4}\,;\,\frac{\sqrt{13}-3}{4}\right\}$
- $f(x) = 4\,x^2 + 6\,x + 1$
$\mathcal{S} = \left\{-\frac{\sqrt{5}+3}{4}\,;\,\frac{\sqrt{5}-3}{4}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 7$
$\mathcal{S} = \left\{-\frac{2\,\sqrt{11}-3}{5}\,;\,\frac{2\,\sqrt{11}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{39}-3}{5}\,;\,\frac{\sqrt{39}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{34}-3}{5}\,;\,\frac{\sqrt{34}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 4$
$\mathcal{S} = \left\{-\frac{\sqrt{29}-3}{5}\,;\,\frac{\sqrt{29}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 3$
$\mathcal{S} = \left\{-\frac{2\,\sqrt{6}-3}{5}\,;\,\frac{2\,\sqrt{6}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{19}-3}{5}\,;\,\frac{\sqrt{19}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 6\,x - 1$
$\mathcal{S} = \left\{-\frac{\sqrt{14}-3}{5}\,;\,\frac{\sqrt{14}+3}{5}\right\}$
- $f(x) = 5\,x^2 - 5\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$
- $f(x) = 5\,x^2 - 4\,x - 7$
$\mathcal{S} = \left\{-\frac{\sqrt{39}-2}{5}\,;\,\frac{\sqrt{39}+2}{5}\right\}$
- $f(x) = 5\,x^2 - 4\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{34}-2}{5}\,;\,\frac{\sqrt{34}+2}{5}\right\}$
- $f(x) = 5\,x^2 - 4\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{29}-2}{5}\,;\,\frac{\sqrt{29}+2}{5}\right\}$
- $f(x) = 5\,x^2 - 4\,x - 4$
$\mathcal{S} = \left\{-\frac{2\,\sqrt{6}-2}{5}\,;\,\frac{2\,\sqrt{6}+2}{5}\right\}$
- $f(x) = 5\,x^2 - 4\,x - 3$
$\mathcal{S} = \left\{-\frac{\sqrt{19}-2}{5}\,;\,\frac{\sqrt{19}+2}{5}\right\}$
- $f(x) = 5\,x^2 - 4\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{14}-2}{5}\,;\,\frac{\sqrt{14}+2}{5}\right\}$
- $f(x) = 5\,x^2 - 2\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{31}-1}{5}\,;\,\frac{\sqrt{31}+1}{5}\right\}$
- $f(x) = 5\,x^2 - 2\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{26}-1}{5}\,;\,\frac{\sqrt{26}+1}{5}\right\}$
- $f(x) = 5\,x^2 - 2\,x - 4$
$\mathcal{S} = \left\{-\frac{\sqrt{21}-1}{5}\,;\,\frac{\sqrt{21}+1}{5}\right\}$
- $f(x) = 5\,x^2 - 2\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{11}-1}{5}\,;\,\frac{\sqrt{11}+1}{5}\right\}$
- $f(x) = 5\,x^2 - 2\,x - 1$
$\mathcal{S} = \left\{-\frac{\sqrt{6}-1}{5}\,;\,\frac{\sqrt{6}+1}{5}\right\}$
- $f(x) = 5\,x^2 - 7$
$\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{5}}\,;\,\frac{\sqrt{7}}{\sqrt{5}}\right\}$
- $f(x) = 5\,x^2 - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{6}}{\sqrt{5}}\,;\,\frac{\sqrt{6}}{\sqrt{5}}\right\}$
- $f(x) = 5\,x^2 - 4$
$\mathcal{S} = \left\{-\frac{2}{\sqrt{5}}\,;\,\frac{2}{\sqrt{5}}\right\}$
- $f(x) = 5\,x^2 - 3$
$\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{5}}\,;\,\frac{\sqrt{3}}{\sqrt{5}}\right\}$
- $f(x) = 5\,x^2 - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{5}}\,;\,\frac{\sqrt{2}}{\sqrt{5}}\right\}$
- $f(x) = 5\,x^2 - 1$
$\mathcal{S} = \left\{-\frac{1}{\sqrt{5}}\,;\,\frac{1}{\sqrt{5}}\right\}$
- $f(x) = 5\,x^2 + 2\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{31}+1}{5}\,;\,\frac{\sqrt{31}-1}{5}\right\}$
- $f(x) = 5\,x^2 + 2\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{26}+1}{5}\,;\,\frac{\sqrt{26}-1}{5}\right\}$
- $f(x) = 5\,x^2 + 2\,x - 4$
$\mathcal{S} = \left\{-\frac{\sqrt{21}+1}{5}\,;\,\frac{\sqrt{21}-1}{5}\right\}$
- $f(x) = 5\,x^2 + 2\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{11}+1}{5}\,;\,\frac{\sqrt{11}-1}{5}\right\}$
- $f(x) = 5\,x^2 + 2\,x - 1$
$\mathcal{S} = \left\{-\frac{\sqrt{6}+1}{5}\,;\,\frac{\sqrt{6}-1}{5}\right\}$
- $f(x) = 5\,x^2 + 4\,x - 7$
$\mathcal{S} = \left\{-\frac{\sqrt{39}+2}{5}\,;\,\frac{\sqrt{39}-2}{5}\right\}$
- $f(x) = 5\,x^2 + 4\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{34}+2}{5}\,;\,\frac{\sqrt{34}-2}{5}\right\}$
- $f(x) = 5\,x^2 + 4\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{29}+2}{5}\,;\,\frac{\sqrt{29}-2}{5}\right\}$
- $f(x) = 5\,x^2 + 4\,x - 4$
$\mathcal{S} = \left\{-\frac{2\,\sqrt{6}+2}{5}\,;\,\frac{2\,\sqrt{6}-2}{5}\right\}$
- $f(x) = 5\,x^2 + 4\,x - 3$
$\mathcal{S} = \left\{-\frac{\sqrt{19}+2}{5}\,;\,\frac{\sqrt{19}-2}{5}\right\}$
- $f(x) = 5\,x^2 + 4\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{14}+2}{5}\,;\,\frac{\sqrt{14}-2}{5}\right\}$
- $f(x) = 5\,x^2 + 5\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 7$
$\mathcal{S} = \left\{-\frac{2\,\sqrt{11}+3}{5}\,;\,\frac{2\,\sqrt{11}-3}{5}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{39}+3}{5}\,;\,\frac{\sqrt{39}-3}{5}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{34}+3}{5}\,;\,\frac{\sqrt{34}-3}{5}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 4$
$\mathcal{S} = \left\{-\frac{\sqrt{29}+3}{5}\,;\,\frac{\sqrt{29}-3}{5}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 3$
$\mathcal{S} = \left\{-\frac{2\,\sqrt{6}+3}{5}\,;\,\frac{2\,\sqrt{6}-3}{5}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{19}+3}{5}\,;\,\frac{\sqrt{19}-3}{5}\right\}$
- $f(x) = 5\,x^2 + 6\,x - 1$
$\mathcal{S} = \left\{-\frac{\sqrt{14}+3}{5}\,;\,\frac{\sqrt{14}-3}{5}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 7$
$\mathcal{S} = \left\{-\frac{\sqrt{51}-3}{6}\,;\,\frac{\sqrt{51}+3}{6}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 6$
$\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 5$
$\mathcal{S} = \left\{-\frac{\sqrt{39}-3}{6}\,;\,\frac{\sqrt{39}+3}{6}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 4$
$\mathcal{S} = \left\{-\frac{\sqrt{33}-3}{6}\,;\,\frac{\sqrt{33}+3}{6}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 3$
$\mathcal{S} = \left\{-\frac{\sqrt{3}-1}{2}\,;\,\frac{\sqrt{3}+1}{2}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 2$
$\mathcal{S} = \left\{-\frac{\sqrt{21}-3}{6}\,;\,\frac{\sqrt{21}+3}{6}\right\}$
- $f(x) = 6\,x^2 - 6\,x - 1$
$\mathcal{S} = \left\{-\frac{\sqrt{15}-3}{6}\,;\,\frac{\sqrt{15}+3}{6}\right\}$
- $f(x) = 6\,x^2 - 6\,x + 1$

$\mathcal{S} = \left\{-\frac{\sqrt{3}-3}{6}\,;\,\frac{\sqrt{3}+3}{6}\right\}$

- $f(x) = 6\,x^2 - 4\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{46}-2}{6}\,;\,\frac{\sqrt{46}+2}{6}\right\}$
- $f(x) = 6\,x^2 - 4\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{10}-1}{3}\,;\,\frac{\sqrt{10}+1}{3}\right\}$
- $f(x) = 6\,x^2 - 4\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{34}-2}{6}\,;\,\frac{\sqrt{34}+2}{6}\right\}$
- $f(x) = 6\,x^2 - 4\,x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{3}\,;\,\frac{\sqrt{7}+1}{3}\right\}$
- $f(x) = 6\,x^2 - 4\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{22}-2}{6}\,;\,\frac{\sqrt{22}+2}{6}\right\}$
- $f(x) = 6\,x^2 - 4\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{10}-2}{6}\,;\,\frac{\sqrt{10}+2}{6}\right\}$
- $f(x) = 6\,x^2 - 3\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}-1}{4}\,;\,\frac{\sqrt{17}+1}{4}\right\}$
- $f(x) = 6\,x^2 - 2\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{43}-1}{6}\,;\,\frac{\sqrt{43}+1}{6}\right\}$
- $f(x) = 6\,x^2 - 2\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}-1}{6}\,;\,\frac{\sqrt{37}+1}{6}\right\}$
- $f(x) = 6\,x^2 - 2\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{31}-1}{6}\,;\,\frac{\sqrt{31}+1}{6}\right\}$
- $f(x) = 6\,x^2 - 2\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}-1}{6}\,;\,\frac{\sqrt{19}+1}{6}\right\}$
- $f(x) = 6\,x^2 - 2\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}-1}{6}\,;\,\frac{\sqrt{13}+1}{6}\right\}$
- $f(x) = 6\,x^2 - 2\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}-1}{6}\,;\,\frac{\sqrt{7}+1}{6}\right\}$
- $f(x) = 6\,x^2 - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}}{\sqrt{6}}\,;\,\frac{\sqrt{7}}{\sqrt{6}}\right\}$
- $f(x) = 6\,x^2 - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{6}}\,;\,\frac{\sqrt{5}}{\sqrt{6}}\right\}$
- $f(x) = 6\,x^2 - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{3}}\,;\,\frac{\sqrt{2}}{\sqrt{3}}\right\}$
- $f(x) = 6\,x^2 - 3$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{2}}\,;\,\frac{1}{\sqrt{2}}\right\}$
- $f(x) = 6\,x^2 - 2$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{3}}\,;\,\frac{1}{\sqrt{3}}\right\}$
- $f(x) = 6\,x^2 - 1$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{6}}\,;\,\frac{1}{\sqrt{6}}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{43}+1}{6}\,;\,\frac{\sqrt{43}-1}{6}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}+1}{6}\,;\,\frac{\sqrt{37}-1}{6}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{31}+1}{6}\,;\,\frac{\sqrt{31}-1}{6}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{19}+1}{6}\,;\,\frac{\sqrt{19}-1}{6}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{13}+1}{6}\,;\,\frac{\sqrt{13}-1}{6}\right\}$
- $f(x) = 6\,x^2 + 2\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{6}\,;\,\frac{\sqrt{7}-1}{6}\right\}$
- $f(x) = 6\,x^2 + 3\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{17}+1}{4}\,;\,\frac{\sqrt{17}-1}{4}\right\}$
- $f(x) = 6\,x^2 + 4\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{46}+2}{6}\,;\,\frac{\sqrt{46}-2}{6}\right\}$
- $f(x) = 6\,x^2 + 4\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{10}+1}{3}\,;\,\frac{\sqrt{10}-1}{3}\right\}$
- $f(x) = 6\,x^2 + 4\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{34}+2}{6}\,;\,\frac{\sqrt{34}-2}{6}\right\}$
- $f(x) = 6\,x^2 + 4\,x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{7}+1}{3}\,;\,\frac{\sqrt{7}-1}{3}\right\}$
- $f(x) = 6\,x^2 + 4\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{22}+2}{6}\,;\,\frac{\sqrt{22}-2}{6}\right\}$
- $f(x) = 6\,x^2 + 4\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{10}+2}{6}\,;\,\frac{\sqrt{10}-2}{6}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{51}+3}{6}\,;\,\frac{\sqrt{51}-3}{6}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}+3}{6}\,;\,\frac{\sqrt{39}-3}{6}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{33}+3}{6}\,;\,\frac{\sqrt{33}-3}{6}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}+1}{2}\,;\,\frac{\sqrt{3}-1}{2}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{21}+3}{6}\,;\,\frac{\sqrt{21}-3}{6}\right\}$
- $f(x) = 6\,x^2 + 6\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}+3}{6}\,;\,\frac{\sqrt{15}-3}{6}\right\}$
- $f(x) = 6\,x^2 + 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}+3}{6}\,;\,\frac{\sqrt{3}-3}{6}\right\}$
- $f(x) = 7\,x^2 - 7\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}-1}{2}\,;\,\frac{\sqrt{5}+1}{2}\right\}$
- $f(x) = 7\,x^2 - 6\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{58}-3}{7}\,;\,\frac{\sqrt{58}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 6\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{51}-3}{7}\,;\,\frac{\sqrt{51}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 6\,x - 5$
  $\mathcal{S} = \left\{-\frac{2\sqrt{11}-3}{7}\,;\,\frac{2\sqrt{11}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 6\,x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}-3}{7}\,;\,\frac{\sqrt{37}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 6\,x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{30}-3}{7}\,;\,\frac{\sqrt{30}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 6\,x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}-3}{7}\,;\,\frac{\sqrt{23}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 6\,x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}-3}{7}\,;\,\frac{\sqrt{2}+3}{7}\right\}$
- $f(x) = 7\,x^2 - 4\,x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{53}-2}{7}\,;\,\frac{\sqrt{53}+2}{7}\right\}$
- $f(x) = 7\,x^2 - 4\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{46}-2}{7}\,;\,\frac{\sqrt{46}+2}{7}\right\}$
- $f(x) = 7\,x^2 - 4\,x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}-2}{7}\,;\,\frac{\sqrt{39}+2}{7}\right\}$
- $f(x) = 7\,x^2 - 4\,x - 4$
  $\mathcal{S} = \left\{-\frac{2^{\frac{5}{2}}-2}{7}\,;\,\frac{2^{\frac{5}{2}}+2}{7}\right\}$
- $f(x) = 7\,x^2 - 4\,x - 2$
  $\mathcal{S} = \left\{-\frac{3\sqrt{2}-2}{7}\,;\,\frac{3\sqrt{2}+2}{7}\right\}$
- $f(x) = 7\,x^2 - 4\,x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}-2}{7}\,;\,\frac{\sqrt{11}+2}{7}\right\}$
- $f(x) = 7\,x^2 - 2\,x - 7$
  $\mathcal{S} = \left\{-\frac{5\sqrt{2}-1}{7}\,;\,\frac{5\sqrt{2}+1}{7}\right\}$
- $f(x) = 7\,x^2 - 2\,x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{43}-1}{7}\,;\,\frac{\sqrt{43}+1}{7}\right\}$
- $f(x) = 7\,x^2 - 2\,x - 4$

$\mathcal{S} = \left\{-\frac{\sqrt{29}-1}{7}\,;\,\frac{\sqrt{29}+1}{7}\right\}$

- $f(x) = 7x^2 - 2x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{22}-1}{7}\,;\,\frac{\sqrt{22}+1}{7}\right\}$
- $f(x) = 7x^2 - 2x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}-1}{7}\,;\,\frac{\sqrt{15}+1}{7}\right\}$
- $f(x) = 7x^2 - 2x - 1$
  $\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}-1}{7}\,;\,\frac{2^{\frac{3}{2}}+1}{7}\right\}$
- $f(x) = 7x^2 - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{6}}{\sqrt{7}}\,;\,\frac{\sqrt{6}}{\sqrt{7}}\right\}$
- $f(x) = 7x^2 - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}}{\sqrt{7}}\,;\,\frac{\sqrt{5}}{\sqrt{7}}\right\}$
- $f(x) = 7x^2 - 4$
  $\mathcal{S} = \left\{-\frac{2}{\sqrt{7}}\,;\,\frac{2}{\sqrt{7}}\right\}$
- $f(x) = 7x^2 - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{3}}{\sqrt{7}}\,;\,\frac{\sqrt{3}}{\sqrt{7}}\right\}$
- $f(x) = 7x^2 - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}}{\sqrt{7}}\,;\,\frac{\sqrt{2}}{\sqrt{7}}\right\}$
- $f(x) = 7x^2 - 1$
  $\mathcal{S} = \left\{-\frac{1}{\sqrt{7}}\,;\,\frac{1}{\sqrt{7}}\right\}$
- $f(x) = 7x^2 + 2x - 7$
  $\mathcal{S} = \left\{-\frac{5\sqrt{2}+1}{7}\,;\,\frac{5\sqrt{2}-1}{7}\right\}$
- $f(x) = 7x^2 + 2x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{43}+1}{7}\,;\,\frac{\sqrt{43}-1}{7}\right\}$
- $f(x) = 7x^2 + 2x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{29}+1}{7}\,;\,\frac{\sqrt{29}-1}{7}\right\}$
- $f(x) = 7x^2 + 2x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{22}+1}{7}\,;\,\frac{\sqrt{22}-1}{7}\right\}$
- $f(x) = 7x^2 + 2x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{15}+1}{7}\,;\,\frac{\sqrt{15}-1}{7}\right\}$
- $f(x) = 7x^2 + 2x - 1$
  $\mathcal{S} = \left\{-\frac{2^{\frac{3}{2}}+1}{7}\,;\,\frac{2^{\frac{3}{2}}-1}{7}\right\}$
- $f(x) = 7x^2 + 4x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{53}+2}{7}\,;\,\frac{\sqrt{53}-2}{7}\right\}$
- $f(x) = 7x^2 + 4x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{46}+2}{7}\,;\,\frac{\sqrt{46}-2}{7}\right\}$
- $f(x) = 7x^2 + 4x - 5$
  $\mathcal{S} = \left\{-\frac{\sqrt{39}+2}{7}\,;\,\frac{\sqrt{39}-2}{7}\right\}$
- $f(x) = 7x^2 + 4x - 4$
  $\mathcal{S} = \left\{-\frac{2^{\frac{5}{2}}+2}{7}\,;\,\frac{2^{\frac{5}{2}}-2}{7}\right\}$
- $f(x) = 7x^2 + 4x - 2$
  $\mathcal{S} = \left\{-\frac{3\sqrt{2}+2}{7}\,;\,\frac{3\sqrt{2}-2}{7}\right\}$
- $f(x) = 7x^2 + 4x - 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{11}+2}{7}\,;\,\frac{\sqrt{11}-2}{7}\right\}$
- $f(x) = 7x^2 + 6x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{58}+3}{7}\,;\,\frac{\sqrt{58}-3}{7}\right\}$
- $f(x) = 7x^2 + 6x - 6$
  $\mathcal{S} = \left\{-\frac{\sqrt{51}+3}{7}\,;\,\frac{\sqrt{51}-3}{7}\right\}$
- $f(x) = 7x^2 + 6x - 5$
  $\mathcal{S} = \left\{-\frac{2\sqrt{11}+3}{7}\,;\,\frac{2\sqrt{11}-3}{7}\right\}$
- $f(x) = 7x^2 + 6x - 4$
  $\mathcal{S} = \left\{-\frac{\sqrt{37}+3}{7}\,;\,\frac{\sqrt{37}-3}{7}\right\}$
- $f(x) = 7x^2 + 6x - 3$
  $\mathcal{S} = \left\{-\frac{\sqrt{30}+3}{7}\,;\,\frac{\sqrt{30}-3}{7}\right\}$
- $f(x) = 7x^2 + 6x - 2$
  $\mathcal{S} = \left\{-\frac{\sqrt{23}+3}{7}\,;\,\frac{\sqrt{23}-3}{7}\right\}$
- $f(x) = 7x^2 + 6x + 1$
  $\mathcal{S} = \left\{-\frac{\sqrt{2}+3}{7}\,;\,\frac{\sqrt{2}-3}{7}\right\}$
- $f(x) = 7x^2 + 7x - 7$
  $\mathcal{S} = \left\{-\frac{\sqrt{5}+1}{2}\,;\,\frac{\sqrt{5}-1}{2}\right\}$

B. Equations avec ractions rationnelles nécessitant une résolution du second degré:

- $f(x) = \frac{x-2}{x-1} = -2x - 1$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = \frac{x-2}{x-1} = -x - 1$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \frac{x-2}{x-1} = 2x - 1$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = \frac{x-2}{x} = -2x$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = \frac{x-2}{x} = -2x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \frac{x-2}{x} = -x$
  $\mathcal{S} = \left\{1\,;\,-2\right\}$
- $f(x) = \frac{x-2}{x} = -x$
  $\mathcal{S} = \left\{2\,;\,-1\right\}$
- $f(x) = \frac{x-2}{x} = x$
  $\mathcal{S} = \left\{1\,;\,2\right\}$
- $f(x) = \frac{x-2}{x+1} = 1 - 2x$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,0\right\}$
- $f(x) = \frac{x-2}{x+1} = 1 - 2x$
  $\mathcal{S} = \left\{-2\,;\,\frac{1}{2}\right\}$
- $f(x) = \frac{x-2}{x+1} = 1 - x$
  $\mathcal{S} = \left\{-4\,;\,0\right\}$
- $f(x) = \frac{x-2}{x+1} = 1 - x$
  $\mathcal{S} = \left\{-2\,;\,2\right\}$
- $f(x) = \frac{x-2}{x+1} = x + 1$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \frac{x-2}{x+1} = 2x + 1$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = \frac{x-2}{x+2} = 2 - 2x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \frac{x-2}{x+2} = 2 - x$
  $\mathcal{S} = \left\{-4\,;\,0\right\}$
- $f(x) = \frac{x-2}{x+2} = 2 - x$
  $\mathcal{S} = \left\{-3\,;\,2\right\}$
- $f(x) = \frac{x-2}{x+2} = x + 2$
  $\mathcal{S} = \left\{-1\,;\,2\right\}$

- $f(x) = \dfrac{x-2}{x+2} = 2\,x+2$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-2} = -2\,x-2$
  $\mathcal{S} = \left\{\dfrac{5}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-2} = -x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-2} = -x-2$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x-2} = x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x-2} = x-2$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-2} = 2\,x-2$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = -2\,x-1$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = -2\,x-1$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{4}\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = -2\,x-1$
  $\mathcal{S} = \left\{\dfrac{5}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = -x-1$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = -x-1$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = x-1$
  $\mathcal{S} = \left\{1\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = x-1$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x-1} = 2\,x-1$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x} = -x$
  $\mathcal{S} = \left\{-2\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-2}{2\,x} = -x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x} = x$
  $\mathcal{S} = \left\{2\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-2}{2\,x+1} = 1-2\,x$
  $\mathcal{S} = \left\{-\dfrac{7}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x+1} = 1-2\,x$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x-2}{2\,x+1} = 1-x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x+1} = 1-x$
  $\mathcal{S} = \left\{-1\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x+1} = x+1$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x+1} = 2\,x+1$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-2\,;\,-\dfrac{1}{4}\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-\dfrac{7}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = 2-x$
  $\mathcal{S} = \left\{-\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = 2-x$
  $\mathcal{S} = \left\{-2\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = 2-x$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = x+2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = x+2$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x-2}{2\,x+2} = 2\,x+2$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{x-2} = -2\,x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x-2} = x-2$
  $\mathcal{S} = \left\{3\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x-2} = 2\,x-2$
  $\mathcal{S} = \left\{\dfrac{5}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x} = -2\,x$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x-1}{x} = -2\,x$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-1}{x} = -x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x} = 2\,x$
  $\mathcal{S} = \left\{1\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-1}{x+1} = 1-2\,x$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{x+1} = 1-2\,x$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+1} = 1-x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{x+1} = 1-x$
  $\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+1} = x+1$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+1} = 2\,x+1$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-3\,;\,-\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-1}{x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-\dfrac{5}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+2} = 2-x$
  $\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+2} = x+2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{x+2} = 2\,x+2$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,1\right\}$

- $f(x) = \dfrac{x-1}{x+2} = 2x+2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x-1}{2x-1} = -2x-1$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{2x-1} = -2x-1$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x-1} = -x-1$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{2x} = -2x$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x-1}{2x} = -2x$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{4}\right\}$
- $f(x) = \dfrac{x-1}{2x} = -x$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x-1}{2x} = -x$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-1}{2x} = x$
  $\mathcal{S} = \left\{1\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-1}{2x} = x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x-1}{2x} = 2x$
  $\mathcal{S} = \left\{1\,;\,\dfrac{1}{4}\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 1-2x$
  $\mathcal{S} = \left\{-\dfrac{5}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 1-2x$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 1-2x$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 1-x$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 1-x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = x+1$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x-1}{2x+2} = 2-2x$
  $\mathcal{S} = \left\{-\dfrac{5}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+2} = 2-x$
  $\mathcal{S} = \left\{-3\,;\,-\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x-1}{2x+2} = 2-x$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+2} = x+2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{x-1}{2x+2} = 2x+2$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x+1}{x-2} = -2x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x-2} = -2x-2$
  $\mathcal{S} = \left\{1\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x+1}{x-2} = -x-2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x+1}{x-2} = x-2$
  $\mathcal{S} = \left\{-1\,;\,3\right\}$
- $f(x) = \dfrac{x+1}{x-2} = 2x-2$
  $\mathcal{S} = \left\{3\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x+1}{x-2} = 2x-2$
  $\mathcal{S} = \left\{\dfrac{5}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x-1} = -2x-1$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x-1} = -x-1$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{x-1} = x-1$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = \dfrac{x+1}{x-1} = x-1$
  $\mathcal{S} = \left\{-1\,;\,2\right\}$
- $f(x) = \dfrac{x+1}{x-1} = 2x-1$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \dfrac{x+1}{x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x} = -2x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x} = x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x+1}{x} = 2x$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x+1}{x} = 2x$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x+2} = 2-2x$
  $\mathcal{S} = \left\{-\dfrac{5}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x+2} = 2-x$
  $\mathcal{S} = \left\{-3\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{x+2} = 2x+2$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x-2} = -2x-2$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x-2} = -x-2$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x-2} = x-2$
  $\mathcal{S} = \left\{3\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x+1}{2x-2} = x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x-2} = 2x-2$
  $\mathcal{S} = \left\{\dfrac{5}{4}\,;\,-1\right\}$

- $f(x) = \dfrac{x+1}{2x-1} = -2x-1$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = -2x-1$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = -x-1$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = x-1$
  $\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = x-1$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{5}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{4}\right\}$
- $f(x) = \dfrac{x+1}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{3}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x} = -2x$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x} = -x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x} = -x$
  $\mathcal{S} = \left\{1\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x+1}{2x} = x$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{x+1}{2x} = x$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x} = 2x$
  $\mathcal{S} = \left\{1\,;\,-\dfrac{1}{4}\right\}$
- $f(x) = \dfrac{x+1}{2x} = 2x$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x+1} = 1-2x$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+1}{2x+1} = 1-2x$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{2x+1} = x+1$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+1}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{-\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+2}{x-2} = -2x-2$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{x-2} = -x-2$
  $\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{x-2} = x-2$
  $\mathcal{S} = \left\{0\,;\,4\right\}$
- $f(x) = \dfrac{x+2}{x-2} = x-2$
  $\mathcal{S} = \left\{-2\,;\,3\right\}$
- $f(x) = \dfrac{x+2}{x-2} = 2x-2$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = \dfrac{x+2}{x-1} = -2x-1$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{x-1} = -x-1$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{x-1} = x-1$
  $\mathcal{S} = \left\{0\,;\,4\right\}$
- $f(x) = \dfrac{x+2}{x-1} = x-1$
  $\mathcal{S} = \left\{-2\,;\,2\right\}$
- $f(x) = \dfrac{x+2}{x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{x-1} = 2x-1$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x+2}{x} = -x$
  $\mathcal{S} = \left\{-2\,;\,-1\right\}$
- $f(x) = \dfrac{x+2}{x} = x$
  $\mathcal{S} = \left\{2\,;\,-1\right\}$
- $f(x) = \dfrac{x+2}{x} = x$
  $\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{x} = 2x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x+2}{x} = 2x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{x+1} = 1-2x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{x+1} = x+1$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{x+1} = 2x+1$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = -2x-2$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = -x-2$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = -x-2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = x-2$
  $\mathcal{S} = \left\{\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = x-2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = 2x-2$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,2\right\}$
- $f(x) = \dfrac{x+2}{2x-2} = 2x-2$
  $\mathcal{S} = \left\{\dfrac{7}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-1} = -2x-1$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-1} = -x-1$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-1} = x-1$
  $\mathcal{S} = \left\{0\,;\,3\right\}$

- $f(x) = \dfrac{x+2}{2x-1} = x-1$
  $\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{\dfrac{7}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x-1} = 2x-1$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{2x} = -x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{x+2}{2x} = x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{x+2}{2x} = x$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = 1-2x$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = 1-x$
  $\mathcal{S} = \left\{-2\,;\,-1\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = 1-x$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = x+1$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = x+1$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,1\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{\dfrac{1}{4}\,;\,-1\right\}$
- $f(x) = \dfrac{x+2}{2x+1} = 2x+1$
  $\mathcal{S} = \left\{-\dfrac{5}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x+2} = 2-2x$
  $\mathcal{S} = \left\{-\dfrac{3}{4}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x+2} = 2-x$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{x+2}{2x+2} = 2-x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x+2} = x+2$
  $\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{x+2}{2x+2} = x+2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{x+2}{2x+2} = 2x+2$
  $\mathcal{S} = \left\{-\dfrac{5}{4}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x-2} = -2x-2$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x-2} = -x-2$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x-2} = x-2$
  $\mathcal{S} = \left\{1\,;\,4\right\}$
- $f(x) = \dfrac{2x-2}{x-2} = x-2$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = \dfrac{2x-2}{x-2} = 2x-2$
  $\mathcal{S} = \left\{1\,;\,3\right\}$
- $f(x) = \dfrac{2x-2}{x-2} = 2x-2$
  $\mathcal{S} = \left\{\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x} = -2x$
  $\mathcal{S} = \left\{-2\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{2x-2}{x} = -2x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x} = -x$
  $\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x} = x$
  $\mathcal{S} = \left\{1\,;\,2\right\}$
- $f(x) = \dfrac{2x-2}{x+1} = 1-2x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x+1} = 1-2x$
  $\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+1} = 1-x$
  $\mathcal{S} = \left\{-5\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x+1} = 1-x$
  $\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+1} = x+1$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = \dfrac{2x-2}{x+1} = 2x+1$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = 2-2x$
  $\mathcal{S} = \left\{-\dfrac{7}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = 2-2x$
  $\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = 2-x$
  $\mathcal{S} = \left\{-5\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = 2-x$
  $\mathcal{S} = \left\{-4\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = x+2$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = 2x+2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{x+2} = 2x+2$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{2x-1} = -2x-1$
  $\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{2x-1} = -x-1$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{2x-1} = -x-1$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{2x-1} = x-1$
  $\mathcal{S} = \left\{\dfrac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{2x-1} = x-1$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2x-2}{2x} = -2x$
  $\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2x-2}{2x} = -2x$
  $\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2x-2}{2x} = -x$

$\mathcal{S} = \left\{-1\,;\,1\right\}$

- $f(x) = \dfrac{2\,x-2}{2\,x} = 2\,x$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = 1-2\,x$
$\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = 1-2\,x$
$\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = 1-x$
$\mathcal{S} = \left\{-\dfrac{7}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = 1-x$
$\mathcal{S} = \left\{-2\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = 1-x$
$\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = x+1$
$\mathcal{S} = \left\{\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = x+1$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+1} = 2\,x+1$
$\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+2} = 2-2\,x$
$\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+2} = 2-2\,x$
$\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+2} = 2-x$
$\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+2} = 2-x$
$\mathcal{S} = \left\{-2\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+2} = x+2$
$\mathcal{S} = \left\{0\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-2}{2\,x+2} = 2\,x+2$
$\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-1}{x-2} = -2\,x-2$
$\mathcal{S} = \left\{\dfrac{3}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{x-2} = -2\,x-2$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-1}{x-2} = -x-2$
$\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-1}{x-2} = x-2$
$\mathcal{S} = \left\{1\,;\,5\right\}$
- $f(x) = \dfrac{2\,x-1}{x-2} = x-2$
$\mathcal{S} = \left\{3\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{x-2} = 2\,x-2$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,3\right\}$
- $f(x) = \dfrac{2\,x-1}{x-1} = -2\,x-1$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{x-1} = x-1$
$\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \dfrac{2\,x-1}{x-1} = 2\,x-1$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{2\,x-1}{x-1} = 2\,x-1$
$\mathcal{S} = \left\{\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{x} = -2\,x$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{x} = -x$
$\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-1}{x} = 2\,x$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x-1}{x+1} = 1-2\,x$
$\mathcal{S} = \left\{-\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{x+1} = 1-2\,x$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{2\,x-1}{x+1} = 1-x$
$\mathcal{S} = \left\{-4\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{x+1} = x+1$
$\mathcal{S} = \left\{0\,;\,2\right\}$
- $f(x) = \dfrac{2\,x-1}{x+1} = 2\,x+1$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{x+2} = 2-2\,x$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-3\right\}$
- $f(x) = \dfrac{2\,x-1}{x+2} = x+2$
$\mathcal{S} = \left\{3\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{x+2} = 2\,x+2$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x-2} = 2\,x-2$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,\dfrac{3}{2}\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x} = -2\,x$
$\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+1} = 1-2\,x$
$\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+1} = 1-2\,x$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+1} = 1-x$
$\mathcal{S} = \left\{-\dfrac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+1} = 1-x$
$\mathcal{S} = \left\{\dfrac{3}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+1} = x+1$
$\mathcal{S} = \left\{\dfrac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+1} = 2\,x+1$
$\mathcal{S} = \left\{\dfrac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+2} = 2-2\,x$
$\mathcal{S} = \left\{-\dfrac{3}{2}\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x-1}{2\,x+2} = 2\,x+2$
$\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,\dfrac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x+1}{x-2} = -2\,x-2$
$\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x-2} = -x-2$
$\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x-2} = 2\,x-2$
$\mathcal{S} = \left\{-\dfrac{1}{2}\,;\,3\right\}$
- $f(x) = \dfrac{2\,x+1}{x-1} = -2\,x-1$

$\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$

- $f(x) = \dfrac{2\,x+1}{x-1} = -x-1$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{x-1} = x-1$
  $\mathcal{S} = \left\{0\,;\,4\right\}$
- $f(x) = \dfrac{2\,x+1}{x-1} = 2\,x-1$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{x-1} = 2\,x-1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{2\,x+1}{x} = -2\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x+1}{x} = x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x} = 2\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x+1} = 1-2\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-2\right\}$
- $f(x) = \dfrac{2\,x+1}{x+1} = 1-2\,x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{x+1} = 1-x$
  $\mathcal{S} = \left\{-2\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{x+1} = 2\,x+1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-3\right\}$
- $f(x) = \dfrac{2\,x+1}{x+2} = 2-x$
  $\mathcal{S} = \left\{-5\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x+1}{x+2} = 2-x$
  $\mathcal{S} = \left\{-3\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x+2} = x+2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x+2} = 2\,x+2$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{x+2} = 2\,x+2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-2} = -2\,x-2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-2} = 2\,x-2$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{3}{2}\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-1} = -2\,x-1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-1} = -x-1$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-1} = x-1$
  $\mathcal{S} = \left\{\frac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-1} = x-1$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-1} = 2\,x-1$
  $\mathcal{S} = \left\{\frac{3}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x-1} = 2\,x-1$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x} = 2\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,\frac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x+1}{2\,x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-\frac{3}{2}\,;\,-\frac{1}{2}\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = -2\,x-2$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = -2\,x-2$
  $\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = -x-2$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = x-2$
  $\mathcal{S} = \left\{0\,;\,5\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = x-2$
  $\mathcal{S} = \left\{-1\,;\,4\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = 2\,x-2$
  $\mathcal{S} = \left\{\frac{7}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x-2} = 2\,x-2$
  $\mathcal{S} = \left\{-1\,;\,3\right\}$
- $f(x) = \dfrac{2\,x+2}{x-1} = -2\,x-1$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x-1} = -x-1$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x-1} = x-1$
  $\mathcal{S} = \left\{0\,;\,5\right\}$
- $f(x) = \dfrac{2\,x+2}{x-1} = x-1$
  $\mathcal{S} = \left\{-1\,;\,3\right\}$
- $f(x) = \dfrac{2\,x+2}{x-1} = 2\,x-1$
  $\mathcal{S} = \left\{0\,;\,3\right\}$
- $f(x) = \dfrac{2\,x+2}{x-1} = 2\,x-1$
  $\mathcal{S} = \left\{-1\,;\,2\right\}$
- $f(x) = \dfrac{2\,x+2}{x} = -x$
  $\mathcal{S} = \left\{-2\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x+2}{x} = x$
  $\mathcal{S} = \left\{-1\,;\,2\right\}$
- $f(x) = \dfrac{2\,x+2}{x} = 2\,x$
  $\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$
- $f(x) = \dfrac{2\,x+2}{x} = 2\,x$
  $\mathcal{S} = \left\{-1\,;\,1\right\}$
- $f(x) = \dfrac{2\,x+2}{x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-3\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x+2}{x+2} = 2-2\,x$
  $\mathcal{S} = \left\{-\frac{5}{2}\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x+2} = 2-x$
  $\mathcal{S} = \left\{-4\,;\,-1\right\}$
- $f(x) = \dfrac{2\,x+2}{x+2} = 2-x$
  $\mathcal{S} = \left\{-3\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x+2} = x+2$
  $\mathcal{S} = \left\{-1\,;\,0\right\}$
- $f(x) = \dfrac{2\,x+2}{x+2} = 2\,x+2$

$$\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$$

- $f(x) = \dfrac{2\,x+2}{2\,x-2} = -2\,x-2$
$$\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-2} = -x-2$
$$\mathcal{S} = \left\{-1\,;\,0\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-2} = x-2$
$$\mathcal{S} = \left\{0\,;\,3\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-2} = x-2$
$$\mathcal{S} = \left\{-1\,;\,2\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-2} = 2\,x-2$
$$\mathcal{S} = \left\{0\,;\,2\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-2} = 2\,x-2$
$$\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = -2\,x-1$
$$\mathcal{S} = \left\{-1\,;\,0\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = -x-1$
$$\mathcal{S} = \left\{-\frac{5}{2}\,;\,0\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = -x-1$
$$\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = x-1$
$$\mathcal{S} = \left\{\frac{7}{2}\,;\,0\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = x-1$
$$\mathcal{S} = \left\{-\frac{1}{2}\,;\,2\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = x-1$
$$\mathcal{S} = \left\{\frac{3}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = 2\,x-1$
$$\mathcal{S} = \left\{0\,;\,2\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x-1} = 2\,x-1$
$$\mathcal{S} = \left\{-1\,;\,1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x} = -2\,x$
$$\mathcal{S} = \left\{-\frac{1}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x} = x$
$$\mathcal{S} = \left\{-1\,;\,1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x} = 2\,x$
$$\mathcal{S} = \left\{1\,;\,-\frac{1}{2}\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x} = 2\,x$
$$\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x+1} = 1-x$
$$\mathcal{S} = \left\{-\frac{3}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x+1} = 1-x$
$$\mathcal{S} = \left\{\frac{1}{2}\,;\,0\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x+1} = x+1$
$$\mathcal{S} = \left\{\frac{1}{2}\,;\,-1\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x+1} = x+1$
$$\mathcal{S} = \left\{-\frac{3}{2}\,;\,0\right\}$$
- $f(x) = \dfrac{2\,x+2}{2\,x+1} = 2\,x+1$
$$\mathcal{S} = \left\{-1\,;\,0\right\}$$