

$$\begin{array}{r} 2x^3 + 2x^2 - 16x - 12 \\ 2x^3 + 6x^2 \\ \hline -4x^2 - 16x \\ -4x^2 - 12x \\ \hline -4x - 12 \\ -4x - 12 \\ \hline 0 \end{array} \left| \begin{array}{c} x+3 \\ 2x^2 - 4x - 4 \end{array} \right.$$

$$\begin{array}{r} 3x^3 - 5x^2 + x - 7 \\ 3x^3 - 6x^2 \\ \hline x^2 + x \\ x^2 - 2x \\ \hline 3x - 7 \\ 3x - 6 \\ \hline -1 \end{array} \left| \begin{array}{c} x-2 \\ 3x^2 + x + 3 \end{array} \right.$$