α	0	$\frac{\pi}{10}$	$\frac{\pi}{8}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{3\pi}{8}$	$\frac{2\pi}{5}$
$\cos\alpha$	1	$\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{\sqrt{2-\sqrt{2}}}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	$\frac{\sqrt{2+\sqrt{2}}}{2}$	$\frac{\sqrt{5}-1}{4}$
$\sin\alpha$	0	$\frac{\sqrt{5}-1}{4}$	$\frac{\sqrt{2+\sqrt{2}}}{2}$	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2-\sqrt{2}}}{2}$	$\frac{\sqrt{10+2\sqrt{5}}}{4}$
$\tan\alpha$	0	$\sqrt{\frac{5-2\sqrt{5}}{5}}$	$\sqrt{2}-1$	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	$\sqrt{2}+1$	$\sqrt{\frac{25+10\sqrt{5}}{5}}$

α	0	$\frac{\pi}{10}$	$\frac{\pi}{8}$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{3\pi}{8}$	$\frac{2\pi}{5}$
$\cos\alpha$	1	$\frac{\sqrt{10+2\sqrt{5}}}{4}$	$\frac{\sqrt{2-\sqrt{2}}}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	$\frac{\sqrt{2+\sqrt{2}}}{2}$	$\frac{\sqrt{5}-1}{4}$
$\sin\alpha$	0	$\frac{\sqrt{5}-1}{4}$	$\frac{\sqrt{2+\sqrt{2}}}{2}$	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2-\sqrt{2}}}{2}$	$\frac{\sqrt{10+2\sqrt{5}}}{4}$
$\tan\alpha$	0	$\sqrt{\frac{5-2\sqrt{5}}{5}}$	$\sqrt{2}-1$	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	$\sqrt{2}+1$	$\sqrt{\frac{25+10\sqrt{5}}{5}}$