

$\alpha,$ rad	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	π	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	2π
$\alpha, ^\circ$	0°	30°	45°	60°	90°	120°	135°	150°	180°	210°	225°	240°	270°	300°	315°	330°	360°
$\sin\alpha$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{3}}{2}$	-1	$-\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{1}{2}$	0
$\cos\alpha$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{3}}{2}$	-1	$-\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{2}}{2}$	$-\frac{1}{2}$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
$\operatorname{tg}\alpha$	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	-	$-\sqrt{3}$	-1	$-\frac{1}{\sqrt{3}}$	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	-	$-\sqrt{3}$	-1	$-\frac{1}{\sqrt{3}}$	0
$\operatorname{ctg}\alpha$	-	$\sqrt{3}$	1	$\frac{1}{\sqrt{3}}$	0	$-\frac{1}{\sqrt{3}}$	-1	$-\sqrt{3}$	-	$\sqrt{3}$	1	$\frac{1}{\sqrt{3}}$	0	$-\frac{1}{\sqrt{3}}$	-1	$-\sqrt{3}$	-

$$\arcsin a = t, \quad t \in \left[-\frac{\pi}{2}; \frac{\pi}{2}\right], \quad \sin t = a, \quad a \in [-1; 1];$$

$$\arccos a = t, \quad t \in [0; \pi], \quad \cos t = a, \quad a \in [-1; 1];$$

$$\operatorname{arctg} a = t, \quad t \in \left(-\frac{\pi}{2}; \frac{\pi}{2}\right), \quad \operatorname{tg} t = a, \quad a \in \mathbb{R};$$

$$\operatorname{arcctg} a = t, \quad t \in (0; \pi), \quad \operatorname{ctg} t = a, \quad a \in \mathbb{R}.$$

$$\arcsin(-a) = -\arcsin a, \quad a \in [-1; 1];$$

$$\arccos(-a) = \pi - \arccos a, \quad a \in [-1; 1];$$

$$\operatorname{arctg}(-a) = -\operatorname{arctg} a, \quad a \in \mathbb{R};$$

$$\operatorname{arcctg}(-a) = \pi - \operatorname{arcctg} a, \quad a \in \mathbb{R}.$$

$$\arcsin(\sin t) = t, \quad t \in \left[-\frac{\pi}{2}; \frac{\pi}{2}\right];$$

$$\arccos(\cos t) = t, \quad t \in [0; \pi];$$

$$\operatorname{arctg}(\operatorname{tg} t) = t, \quad t \in \left(-\frac{\pi}{2}; \frac{\pi}{2}\right);$$

$$\operatorname{arcctg}(\operatorname{ctg} t) = t, \quad t \in (0; \pi).$$

$$\sin(\arcsin a) = a, \quad a \in [-1; 1];$$

$$\cos(\arccos a) = a, \quad a \in [-1; 1];$$

$$\operatorname{tg}(\operatorname{arctg} a) = a, \quad a \in \mathbb{R};$$

$$\operatorname{ctg}(\operatorname{arcctg} a) = a, \quad a \in \mathbb{R}.$$