

Name: Key

Table of Trigonometric Values

$\theta$ (Deg)	$\theta$ (Rad)	Ref Angle	$\sin \theta$	$\cos \theta$	$\tan \theta$	$\csc \theta$	$\sec \theta$	$\cot \theta$
0°	0	—	0	1	0	U	1	U
30°	$\pi/6$	$30^\circ \pi/6$	$1/2$	$\sqrt{3}/2$	$\sqrt{3}/3$	2	$2\sqrt{3}/3$	$\sqrt{3}$
45°	$\pi/4$	$45^\circ \pi/4$	$\sqrt{2}/2$	$\sqrt{2}/2$	1	$\sqrt{2}$	$\sqrt{2}$	1
60°	$\pi/3$	$60^\circ \pi/3$	$\sqrt{3}/2$	$1/2$	$\sqrt{3}$	$2\sqrt{3}/3$	2	$\sqrt{3}/3$
90°	$\pi/2$	—	1	0	U	1	U	0
120°	$2\pi/3$	$60^\circ \pi/3$	$\sqrt{3}/2$	$-1/2$	$-\sqrt{3}$	$2\sqrt{3}/3$	-2	$-\sqrt{3}/3$
135°	$3\pi/4$	$45^\circ \pi/4$	$\sqrt{2}/2$	$-\sqrt{2}/2$	-1	$\sqrt{2}$	$-\sqrt{2}$	-1
150°	$5\pi/6$	$30^\circ \pi/6$	$1/2$	$-\sqrt{3}/2$	$-\sqrt{3}/3$	2	$-2\sqrt{3}/3$	$-\sqrt{3}$
180°	$\pi$	—	0	-1	0	U	-1	U
210°	$7\pi/6$	$30^\circ \pi/6$	$-1/2$	$-\sqrt{3}/2$	$\sqrt{3}/3$	-2	$-2\sqrt{3}/3$	$\sqrt{3}$
225°	$5\pi/4$	$45^\circ \pi/4$	$-\sqrt{2}/2$	$-\sqrt{2}/2$	1	$-\sqrt{2}$	$-\sqrt{2}$	1
240°	$4\pi/3$	$60^\circ \pi/3$	$-\sqrt{3}/2$	$-1/2$	$\sqrt{3}$	$-2\sqrt{3}/3$	-2	$\sqrt{3}/3$
270°	$3\pi/2$	—	-1	0	U	-1	U	0
300°	$5\pi/3$	$60^\circ \pi/3$	$-\sqrt{3}/2$	$1/2$	$-\sqrt{3}$	$-2\sqrt{3}/3$	2	$-\sqrt{3}/3$
315°	$7\pi/4$	$45^\circ \pi/4$	$-\sqrt{2}/2$	$\sqrt{2}/2$	-1	$-\sqrt{2}$	$\sqrt{2}$	-1
330°	$11\pi/6$	$30^\circ \pi/6$	$-1/2$	$\sqrt{3}/2$	$-\sqrt{3}/3$	-2	$2\sqrt{3}/3$	$-\sqrt{3}$
360°	$2\pi$	—	0	1	0	U	1	U

Q I

Q II

Q III

Q IV