Trigonometric Table for angles from 0° to 360°

Deg	Rad	sin	cos	tan	cot	sec	cosec
0	0	0	1	0	-	1	-
15	$\frac{\pi}{12}$	$\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$2-\sqrt{3}$	$2+\sqrt{3}$	$\sqrt{2}(\sqrt{3}-1)$	$\sqrt{2}(\sqrt{3}+1)$
30	$\frac{\pi}{6}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$	$\frac{2\sqrt{3}}{3}$	2
45	$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1	1	$\sqrt{2}$	$\sqrt{2}$
60	$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$	2	$\frac{2\sqrt{3}}{3}$
75	$\frac{5\pi}{12}$	$\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$2+\sqrt{3}$	$2-\sqrt{3}$	$\sqrt{2}(\sqrt{3}+1)$	$\sqrt{2}(\sqrt{3}-1)$
90	$\frac{\pi}{2}$	1	0	-	0	-	1
105	$\frac{7\pi}{12}$	$\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$-\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$-(2+\sqrt{3})$	$-(2-\sqrt{3})$	$-\sqrt{2}(\sqrt{3}+1)$	$\sqrt{2}(\sqrt{3}-1)$
120	$\frac{2\pi}{3}$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$-\sqrt{3}$	$-\frac{\sqrt{3}}{3}$	-2	$\frac{2\sqrt{3}}{3}$
135	$\frac{3\pi}{4}$	$\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	-1	-1	$-\sqrt{2}$	$\sqrt{2}$
150	$\frac{5\pi}{6}$	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{3}}{3}$	$-\sqrt{3}$	$-\frac{2\sqrt{3}}{3}$	2
165	$\frac{11\pi}{12}$	$\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$-\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$-(2-\sqrt{3})$	$-(2+\sqrt{3})$	$-\sqrt{2}(\sqrt{3}-1)$	$\sqrt{2}(\sqrt{3}+1)$
180	π	0	-1	0	-	-1	-
195	$\frac{13\pi}{12}$	$-\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$-\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$2-\sqrt{3}$	$2+\sqrt{3}$	$-\sqrt{2}(\sqrt{3}-1)$	$-\sqrt{2}(\sqrt{3}+1)$
210	$\frac{7\pi}{6}$	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$	$-\frac{2\sqrt{3}}{3}$	-2
225	$\frac{5\pi}{4}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	1	1	$-\sqrt{2}$	$-\sqrt{2}$
240	$\frac{4\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$	-2	$-\frac{2\sqrt{3}}{3}$
255	$\frac{17\pi}{12}$	$-\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$-\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$2+\sqrt{3}$	$2-\sqrt{3}$	$-\sqrt{2}(\sqrt{3}+1)$	$-\sqrt{2}(\sqrt{3}-1)$
270	$\frac{3\pi}{2}$	-1	0	-	0	-	-1
285	$\frac{19\pi}{12}$	$-\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$-(2+\sqrt{3})$	$-(2-\sqrt{3})$	$\sqrt{2}(\sqrt{3}+1)$	$-\sqrt{2}(\sqrt{3}-1)$
300	$\frac{5\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\sqrt{3}$	$-\frac{\sqrt{3}}{3}$	2	$-\frac{2\sqrt{3}}{3}$
315	$\frac{7\pi}{4}$	$-\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	-1	-1	$\sqrt{2}$	$-\sqrt{2}$
330	$\frac{11\pi}{6}$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{3}}{2}$	$-\sqrt{3}$	$\frac{2\sqrt{3}}{3}$	-2
345	$\frac{23\pi}{12}$	$-\frac{\sqrt{2}}{4}(\sqrt{3}-1)$	$\frac{\sqrt{2}}{4}(\sqrt{3}+1)$	$-(2-\sqrt{3})$	$-(2+\sqrt{3})$	$\sqrt{2}(\sqrt{3}-1)$	$-\sqrt{2}(\sqrt{3}+1)$
360	2π	0	1	0	-	1	-

Quotient Identities:

$$\boldsymbol{tan\theta = \frac{sin\theta}{cos\theta}}$$

$$\boldsymbol{cot\theta = \frac{cos\theta}{sin\theta}}$$

Reciprocal Identities:

$$\boldsymbol{csc\theta = \frac{1}{sin\theta}}$$

$$\boldsymbol{sec\theta = \frac{1}{cos\theta}}$$

$$\boldsymbol{cot\theta = \frac{1}{tan\theta}}$$

$$\boldsymbol{sin\theta = \frac{1}{csc\theta}}$$

$$\boldsymbol{cos\theta = \frac{1}{sec\theta}}$$

$$\boldsymbol{tan\theta = \frac{1}{cot\theta}}$$

Pythagorean Identities:

$$\boldsymbol{sin^2\theta + cos^2\theta = 1}$$

$$\boldsymbol{cot^2\theta + 1 = csc^2\theta}$$

$$\boldsymbol{tan^2\theta + 1 = sec^2\theta}$$