

# UNIT CIRCLE TRIG VALUES

	0 0°	$\pi/6$ 30°	$\pi/4$ 45°	$\pi/3$ 60°	$\pi/2$ 90°
SIN	0	1	2	3	4
COS	4	3	2	1	0

(2)

$$\sin 45^\circ = \frac{\sqrt{2}}{2}$$

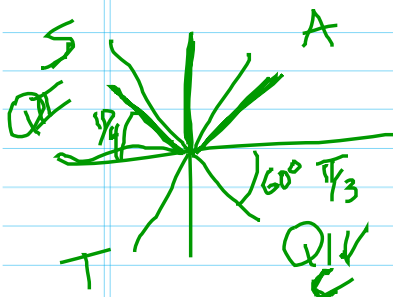
$$\tan \frac{\pi}{6} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

$$\cos \frac{\pi}{3} = \frac{1}{2}$$

$$\tan \frac{\pi}{3} = \sqrt{3}$$

$$\sin \frac{5\pi}{3} = -\frac{\sqrt{3}}{2}$$

$$\sec \frac{3\pi}{4} = -\frac{2}{\sqrt{2}} = -\sqrt{2}$$



$$\frac{2}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{2\sqrt{2}}{2} = \sqrt{2}$$

$\sqrt{2}$

# UNIT CIRCLE TRIG VALUES

	0 0°	$\pi/6$ 30°	$\pi/4$ 45°	$\pi/3$ 60°	$\pi/2$ 90°
SIN	0	1/2	$\sqrt{2}/2$	$\sqrt{3}/2$	1
COS	1	$\sqrt{3}/2$	$\sqrt{2}/2$	1/2	0

$\sqrt{2}$

$$\sin 45^\circ = \frac{\sqrt{2}}{2}$$

$$\tan \frac{\pi}{6} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

$$\cos \frac{\pi}{3} = \frac{1}{2}$$

$$\tan \frac{\pi}{3} = \sqrt{3}$$

$$\sin \frac{5\pi}{3} = -\frac{\sqrt{3}}{2}$$

$$\sec \frac{3\pi}{4} = -\frac{2}{\sqrt{2}} = -\sqrt{2}$$

$$\frac{2}{\sqrt{2}} \frac{\sqrt{2}}{\sqrt{2}} = \frac{2\sqrt{2}}{2} = \sqrt{2}$$

$\sqrt{2}$

