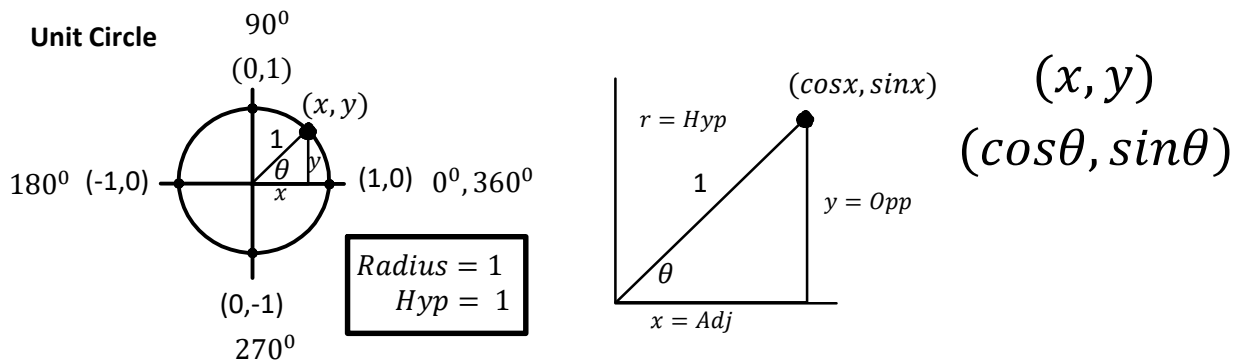


C11 - 2.6 - Unit Circle sin/cos/tan 90, 180, 270, 360 Notes



$$\sin \theta = y$$

$$\cos \theta = x$$

$$\tan \theta = \frac{y}{x}$$

$\sin \theta = \frac{\text{Opp}}{\text{Hyp}}$ $\sin \theta = \frac{y}{1}$ $\sin \theta = y$	$\cos \theta = \frac{\text{Adj}}{\text{Hyp}}$ $\cos \theta = \frac{x}{1}$ $\cos \theta = x$	$\tan \theta = \frac{\text{Opp}}{\text{Adj}}$ $\tan \theta = \frac{y}{x}$
$\sin 0^\circ = \frac{0}{1}$ $\sin 0^\circ = 0$	$\cos 0^\circ = \frac{1}{1}$ $\cos 0^\circ = 1$	$\tan 0^\circ = \frac{0}{1}$ $\tan 0^\circ = 0$
$\sin 90^\circ = \frac{1}{1}$ $\sin 90^\circ = 1$	$\cos 90^\circ = \frac{0}{1}$ $\cos 90^\circ = 0$	$\tan 90^\circ = \frac{1}{0}$ $\tan 90^\circ = \text{UND}$
$\sin 180^\circ = \frac{0}{1}$ $\sin 180^\circ = 0$	$\cos 180^\circ = -\frac{1}{1}$ $\cos 180^\circ = -1$	$\tan 180^\circ = \frac{0}{-1}$ $\tan 180^\circ = 0$
$\sin 270^\circ = \frac{-1}{1}$ $\sin 270^\circ = -1$	$\cos 270^\circ = \frac{0}{1}$ $\cos 270^\circ = 0$	$\tan 270^\circ = \frac{-1}{0}$ $\tan 270^\circ = \text{UND}$
$\sin 360^\circ = \frac{0}{1}$ $\sin 360^\circ = 0$	$\cos 360^\circ = \frac{1}{1}$ $\cos 360^\circ = 1$	$\tan 360^\circ = \frac{0}{1}$ $\tan 360^\circ = 0$

