

# TRIGONOMETRIC REFERENCE GUIDE

## The Unit Circle

0 (1,0) 90 (0,1) 180 (-1,0) 45 ( $\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}$ )

### Sine & Cosine Functions

0 to  $2\pi$

- Sine ( $\sin \hat{\theta}$ ) --- Cosine ( $\cos \hat{\theta}$ )

Angle ( $\hat{\theta}$ )	0	30 ( $\pi/6$ )	45 ( $\pi/4$ )	60 ( $\pi/3$ )	90 ( $\pi/2$ )
$\sin \hat{\theta}$	0	1/2	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
$\cos \hat{\theta}$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	1/2	0