

TRIGONOMETRY UNIT CIRCLE

(1, 0) (0, 1) (-1, 0) (0, -1) 30 ($\pi/6$) 45 ($\pi/4$) 60 ($\pi/3$)

Fundamentals

$$\sin(\theta) = y$$

$$\cos(\theta) = x$$

$$\tan(\theta) = y/x$$

Identities

$$\sin^2\theta + \cos^2\theta = 1$$

$$\text{Radians} = \text{Degrees} \times (\pi/180)$$

Quadrant Signs

Q1: (+,+) | Q2: (-,+)

Q3: (-,-) | Q4: (+,-)

Reciprocals

$$\csc = 1/\sin$$

$$\sec = 1/\cos$$