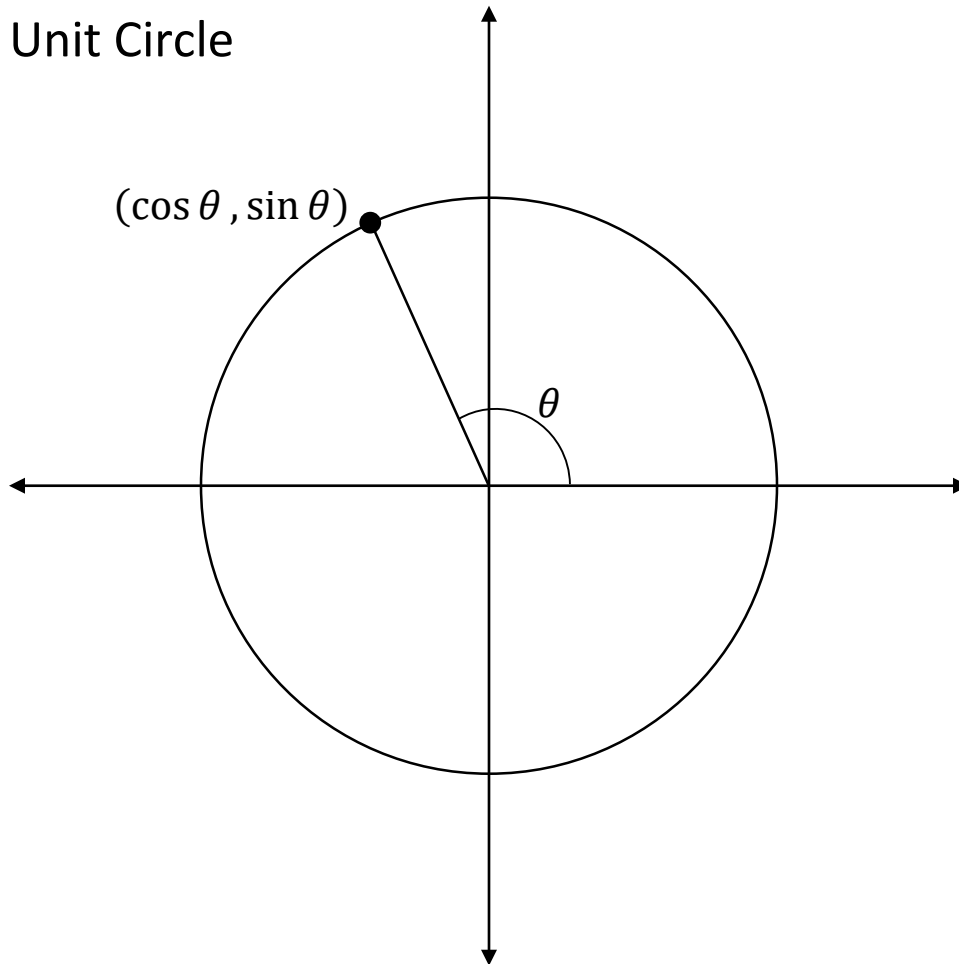
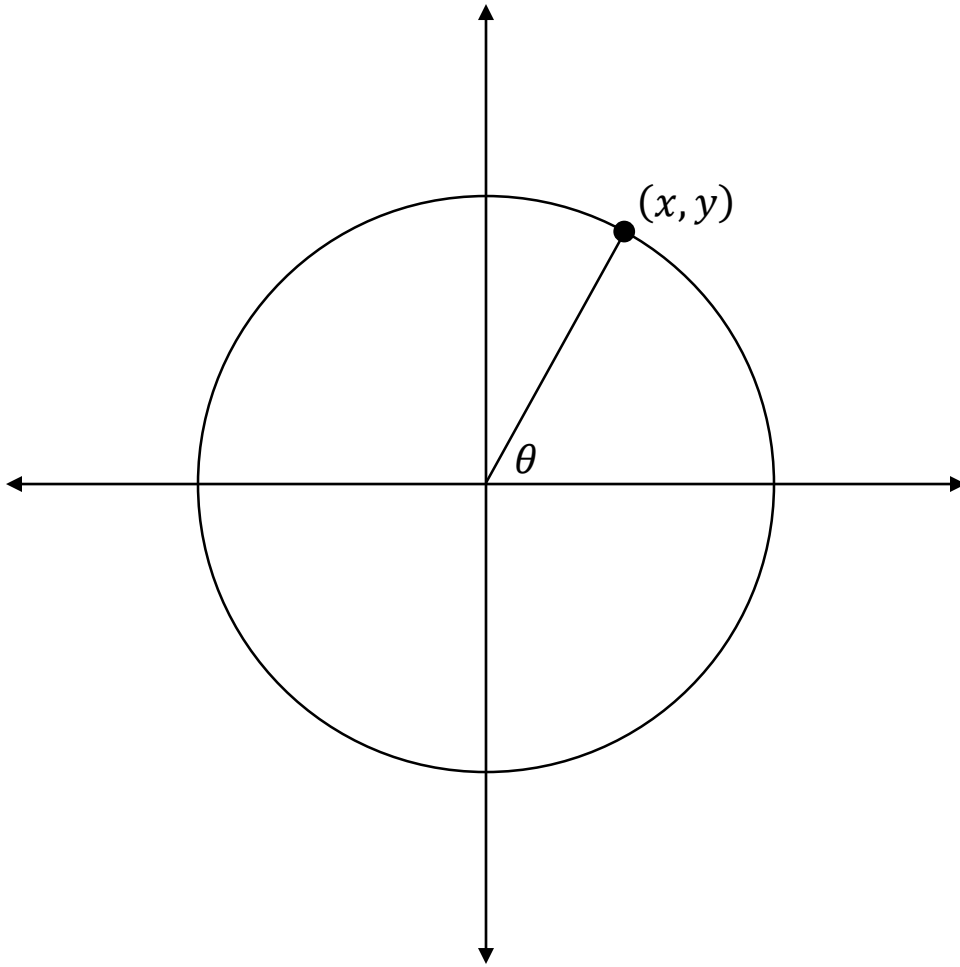


# IMAGE 1

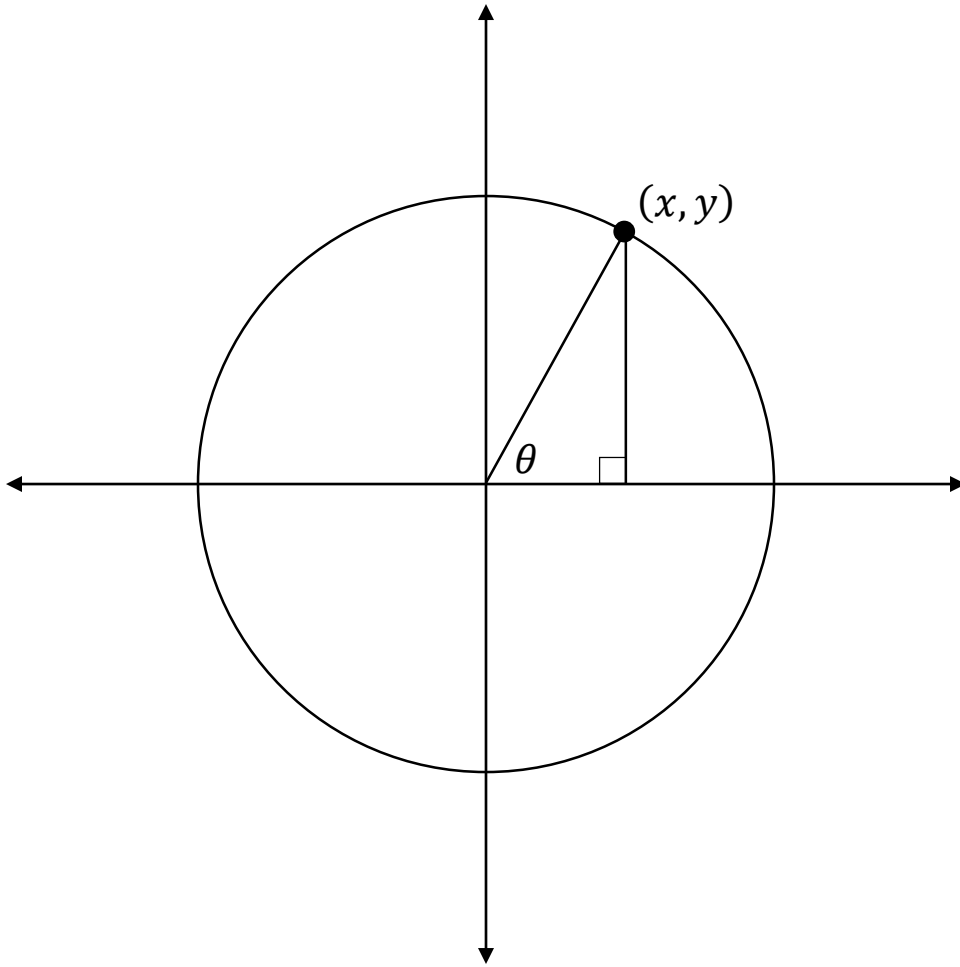
Unit Circle



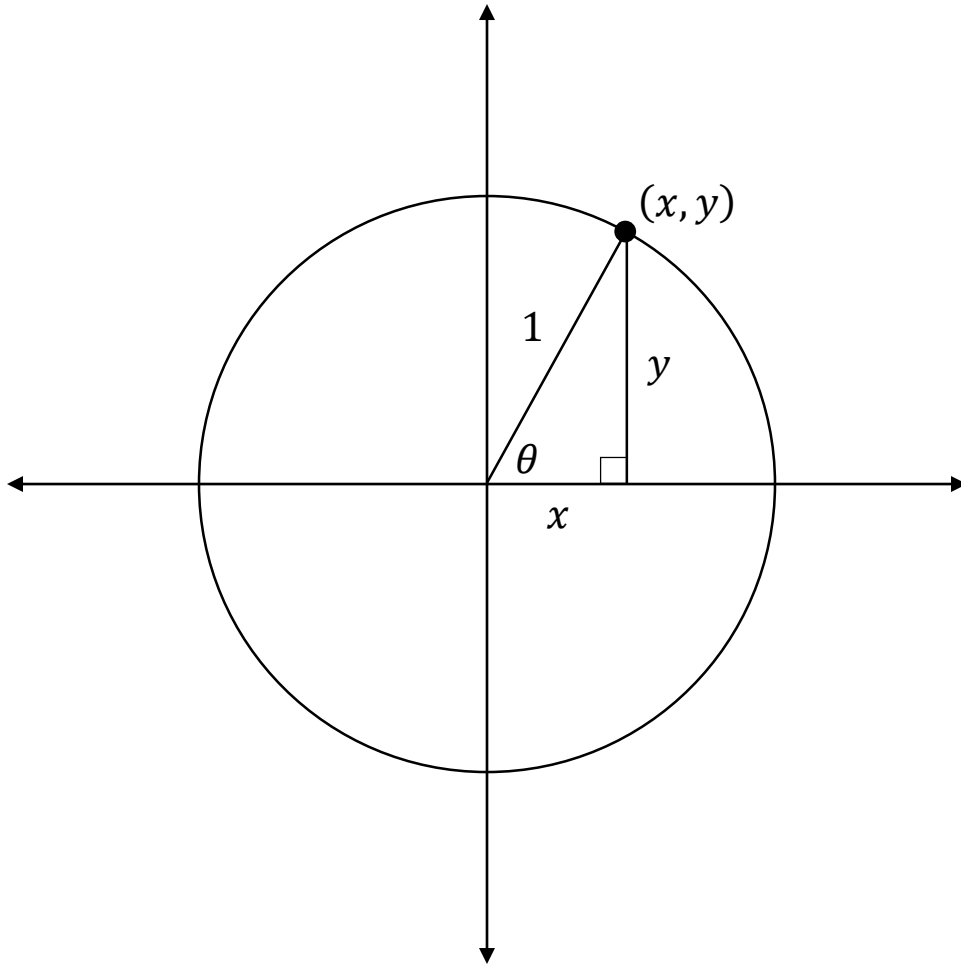
# IMAGE 2



# IMAGE 3

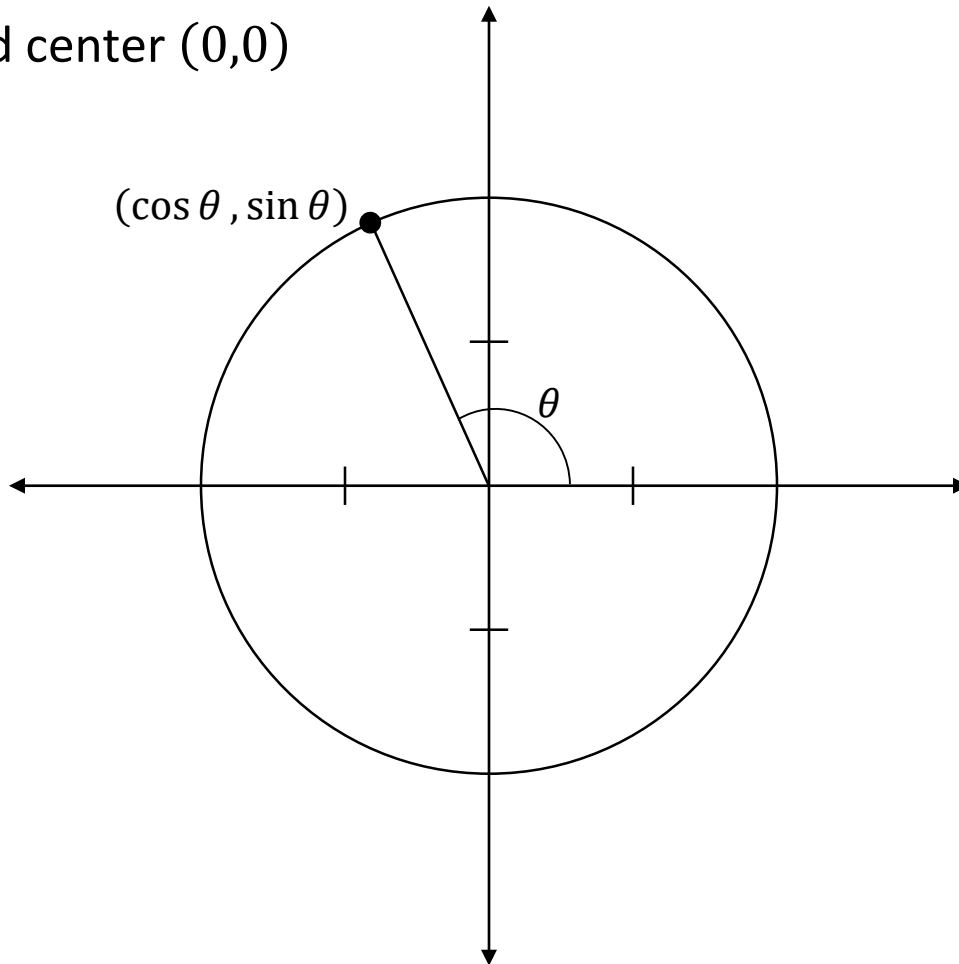


# IMAGE 4



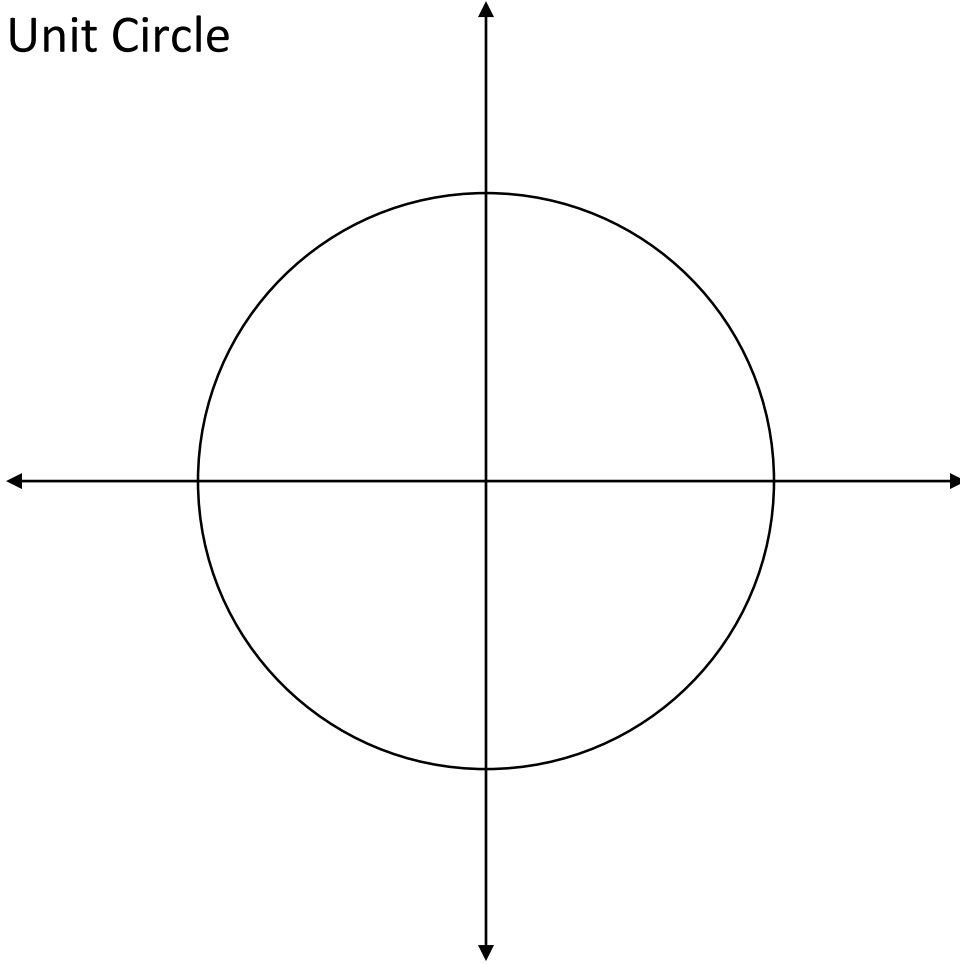
# IMAGE 5

Circle with  $r = 2$   
and center  $(0,0)$



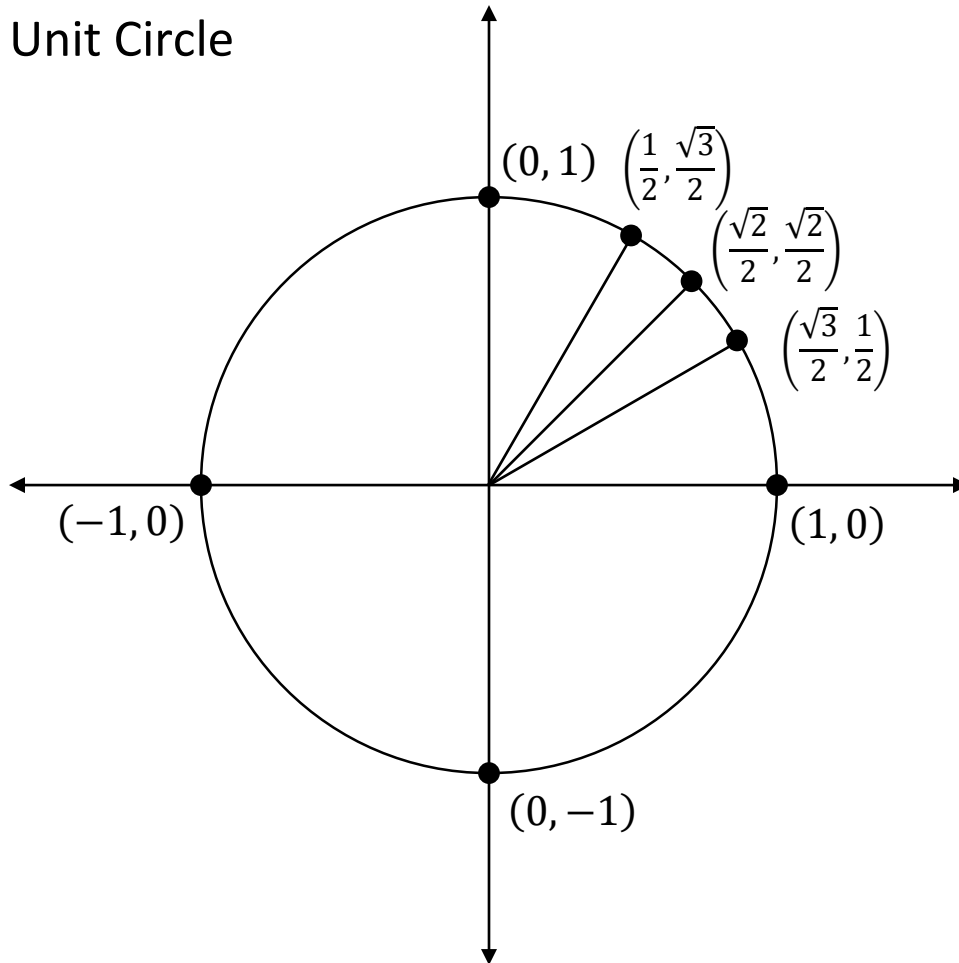
# IMAGE 6

Unit Circle



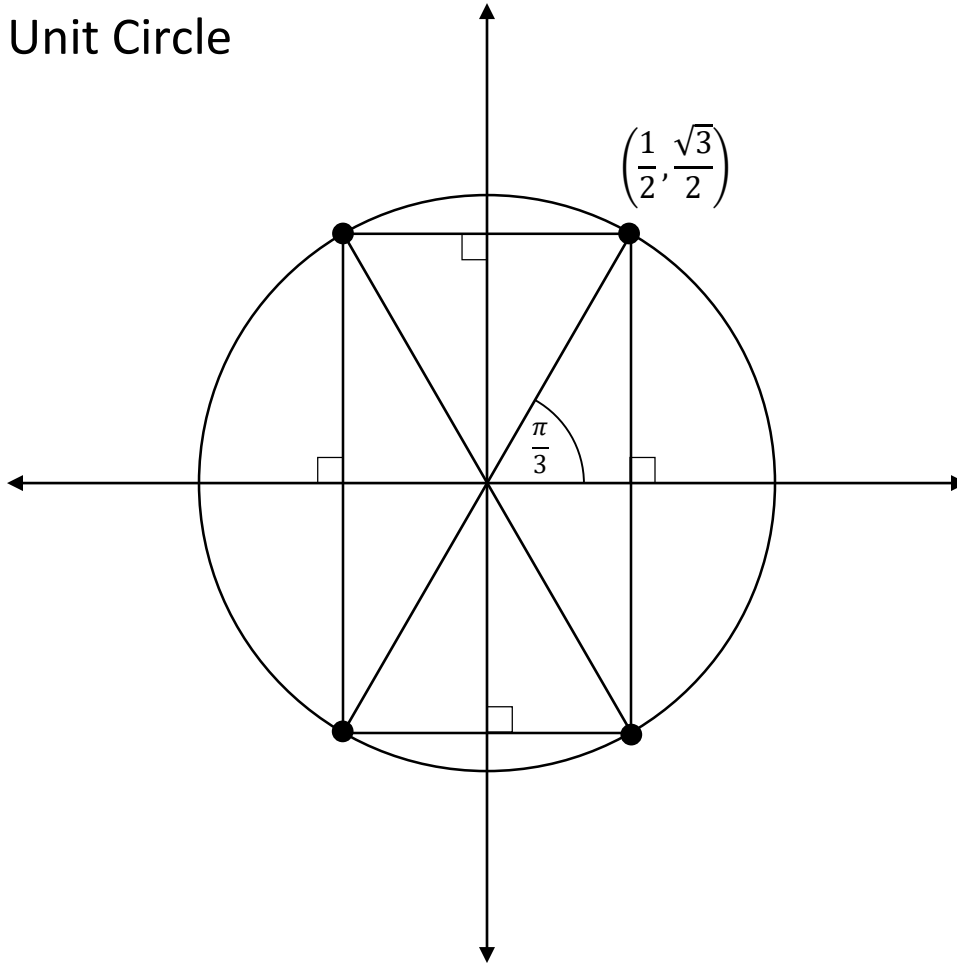
# IMAGE 7

Unit Circle



# IMAGE 8

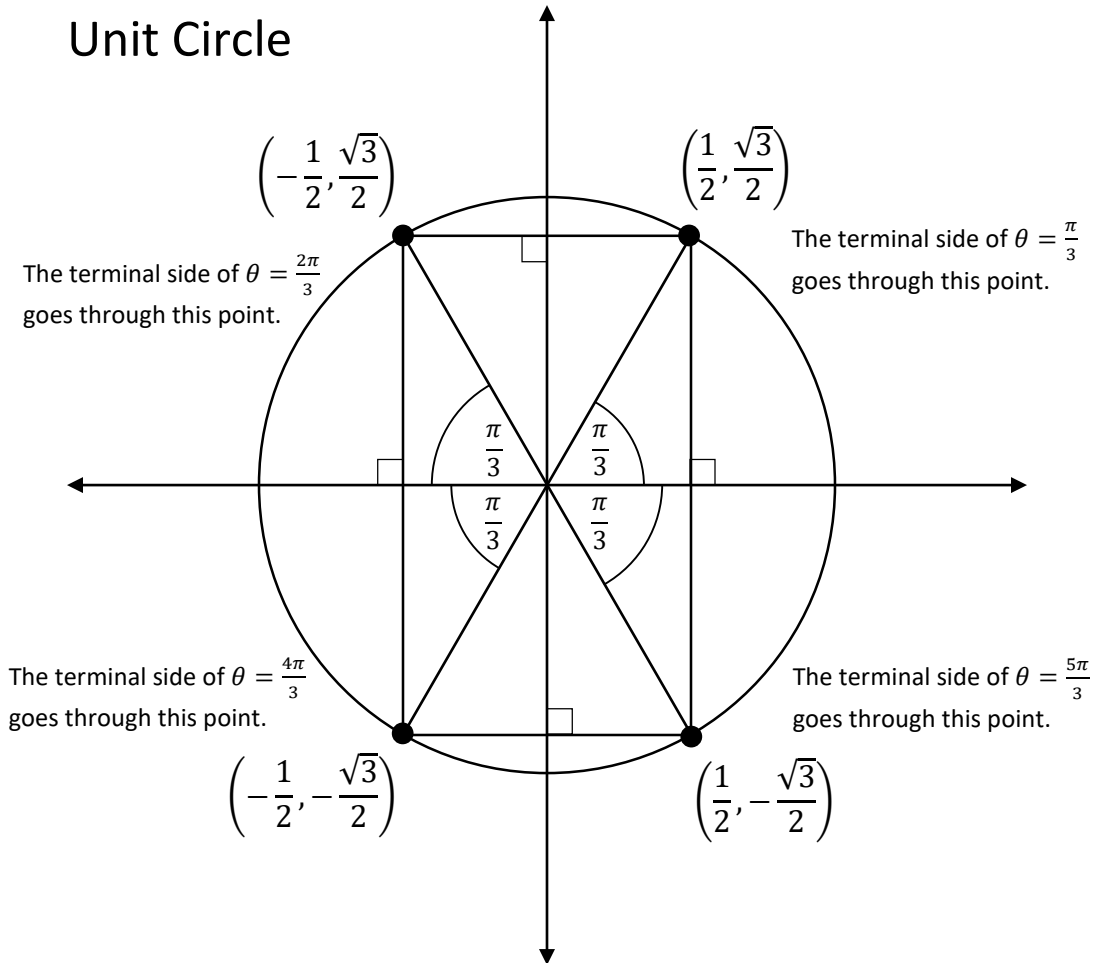
Unit Circle



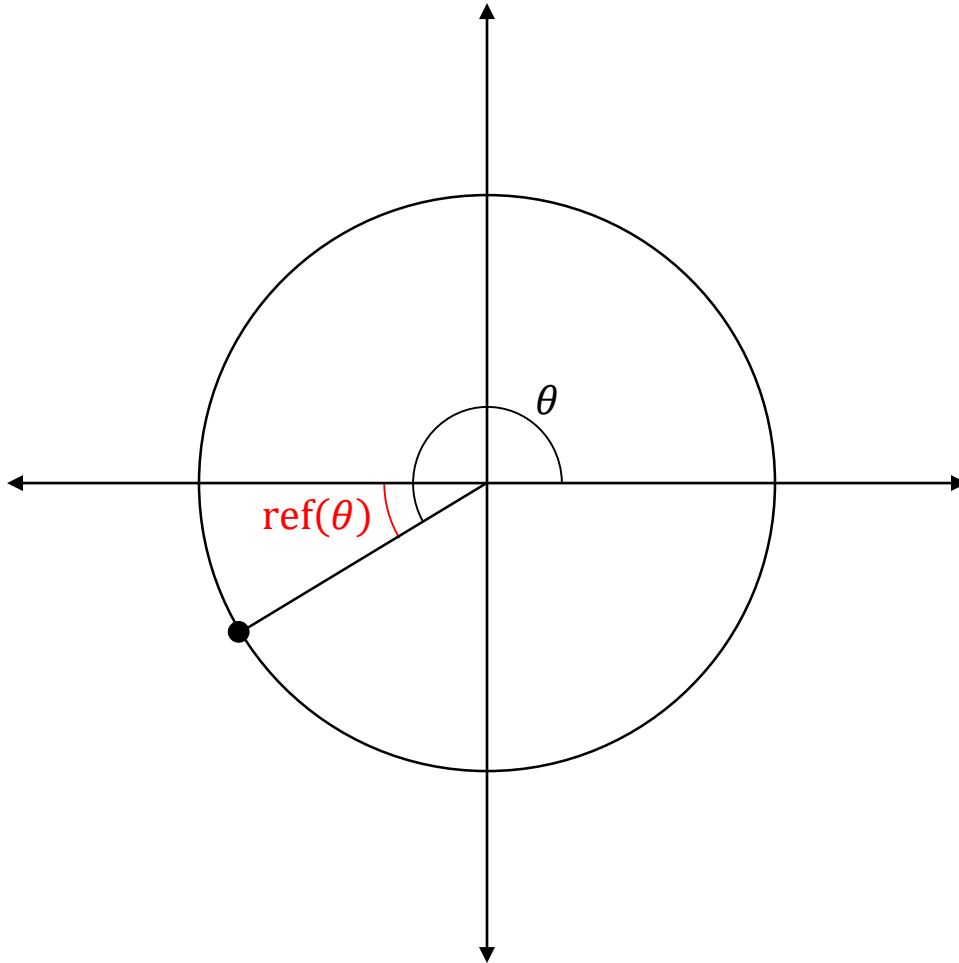


# IMAGE 9

## Unit Circle



# IMAGE 10



# IMAGE 11

## Unit Circle

Quadrant II

For  $\frac{\pi}{2} < \theta < \pi$ :

$$\sin(\theta) = y > 0$$

$$\cos(\theta) = x < 0$$

$$\tan(\theta) = \frac{y}{x} < 0$$

Quadrant I

For  $0 < \theta < \frac{\pi}{2}$ :

$$\sin(\theta) = y > 0$$

$$\cos(\theta) = x > 0$$

$$\tan(\theta) = \frac{y}{x} > 0$$

Quadrant III

For  $\pi < \theta < \frac{3\pi}{2}$ :

$$\sin(\theta) = y < 0$$

$$\cos(\theta) = x < 0$$

$$\tan(\theta) = \frac{y}{x} > 0$$

Quadrant IV

For  $\frac{3\pi}{2} < \theta < 2\pi$ :

$$\sin(\theta) = y < 0$$

$$\cos(\theta) = x > 0$$

$$\tan(\theta) = \frac{y}{x} < 0$$

