

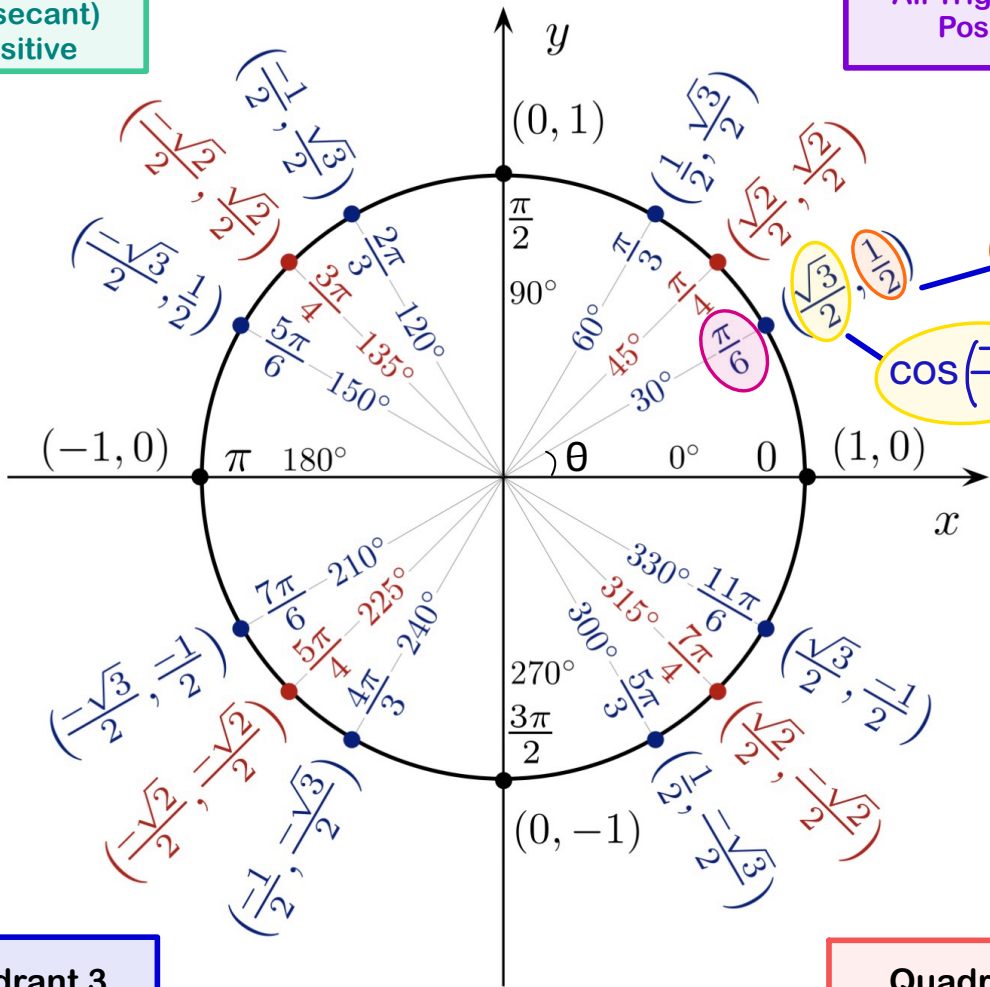
# Trigonometry Unit Circle

**Quadrant 2**

Sine  
(Cosecant)  
Positive

**Quadrant 1**

All Trig Values  
Positive



$\sin\left(\frac{\pi}{6}\right)$

$\cos\left(\frac{\pi}{6}\right)$

**Quadrant 3**

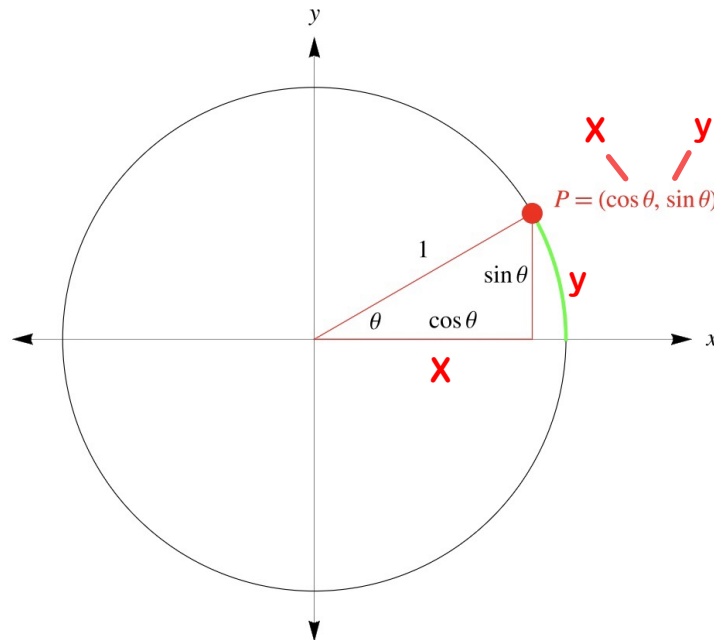
Tangent  
(Cotangent)  
Positive

$\cos\theta = x$ -coordinate on unit circle

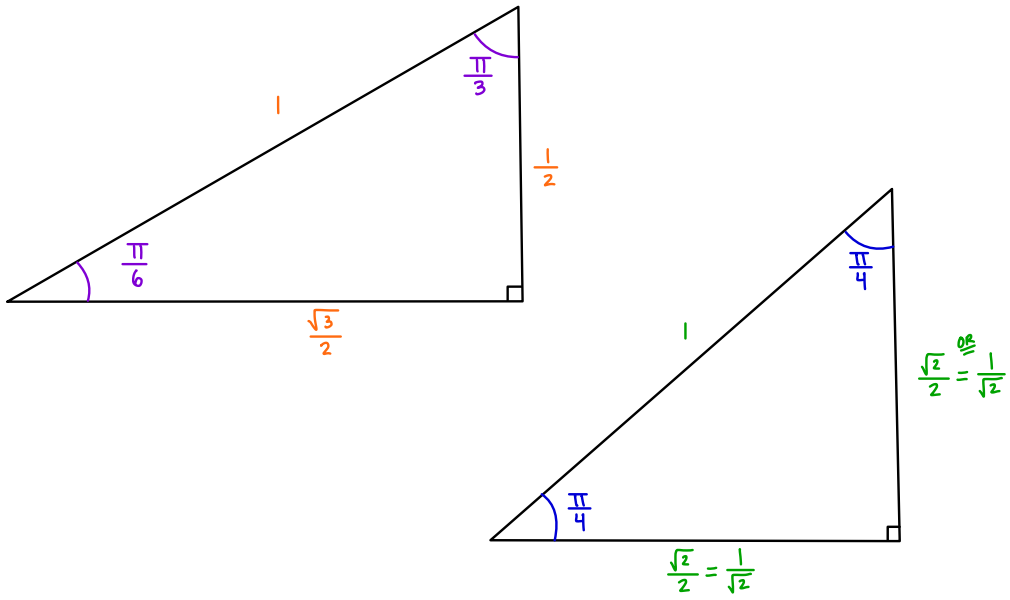
$\sin\theta = y$ -coordinate on unit circle

**Quadrant 4**

Cosine  
(Secant)  
Positive



## Special Trig Triangles



## Trig Graphs

