

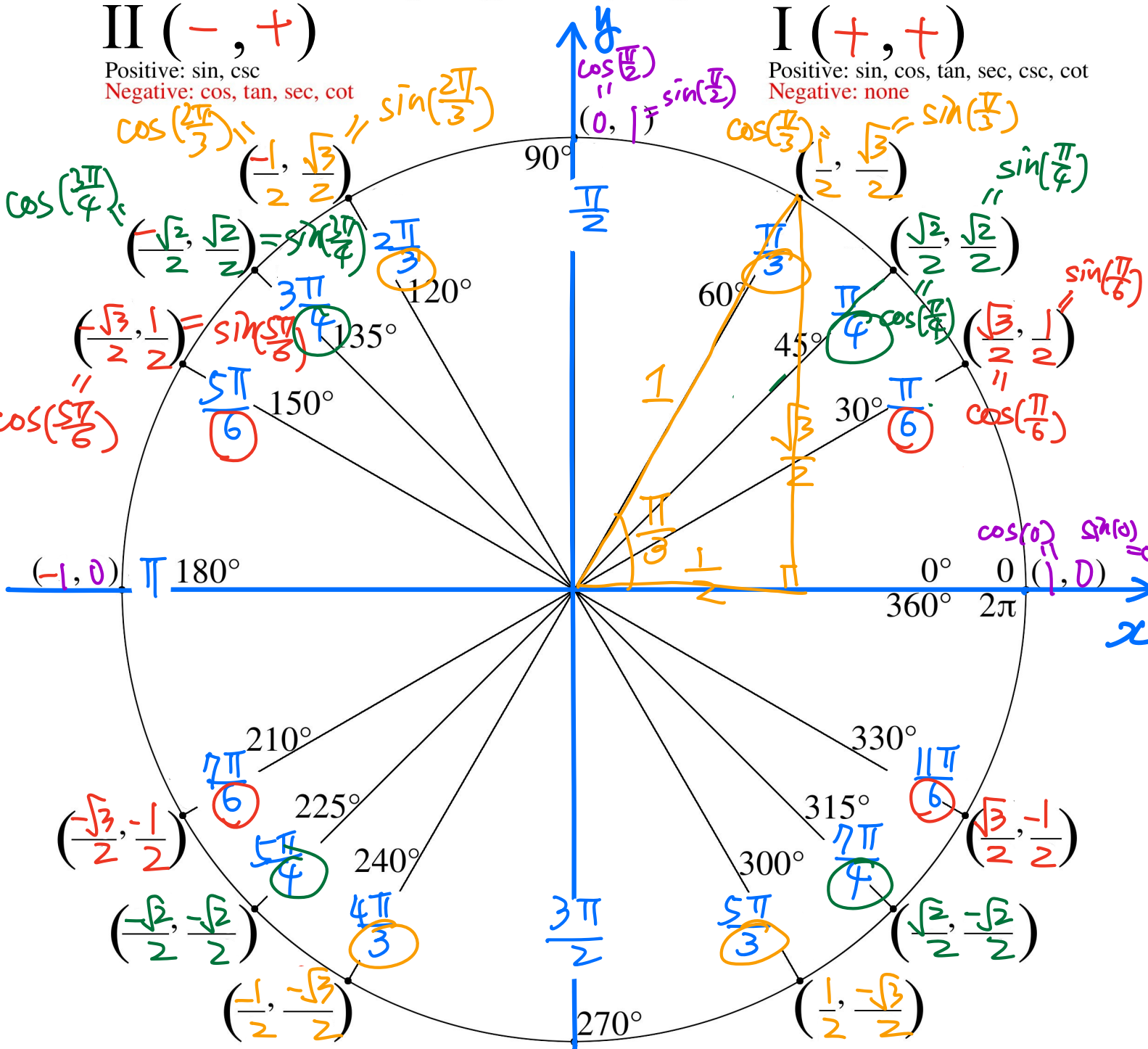
The Unit Circle

II (-, +)

Positive: sin, csc
Negative: cos, tan, sec, cot

I (+, +)

Positive: sin, cos, tan, sec, csc, cot
Negative: none



Positive: tan, cot
Negative: sin, cos, sec, csc

III (-, -)

Positive: cos, sec
Negative: sin, tan, csc, cot

IV (+, -)

$$\textcircled{1} (\cos(\theta), \sin(\theta))$$

$$\textcircled{2} \theta = \frac{\cdot}{3} \pi \Rightarrow \left(\begin{matrix} + \\ - \end{matrix} \frac{1}{2}, \begin{matrix} + \\ - \end{matrix} \frac{\sqrt{3}}{2} \right)$$

$$\theta = \frac{\cdot}{4} \pi \Rightarrow \left(\begin{matrix} + \\ - \end{matrix} \frac{\sqrt{2}}{2}, \begin{matrix} + \\ - \end{matrix} \frac{\sqrt{2}}{2} \right)$$

$$\theta = \frac{\cdot}{6} \pi \Rightarrow \left(\begin{matrix} + \\ - \end{matrix} \frac{\sqrt{3}}{2}, \begin{matrix} + \\ - \end{matrix} \frac{1}{2} \right)$$

$$\theta = \frac{\pi}{2}, \pi, \frac{3\pi}{2}, 2\pi \quad \begin{matrix} (0, \pm 1) \\ (\pm 1, 0) \end{matrix}$$