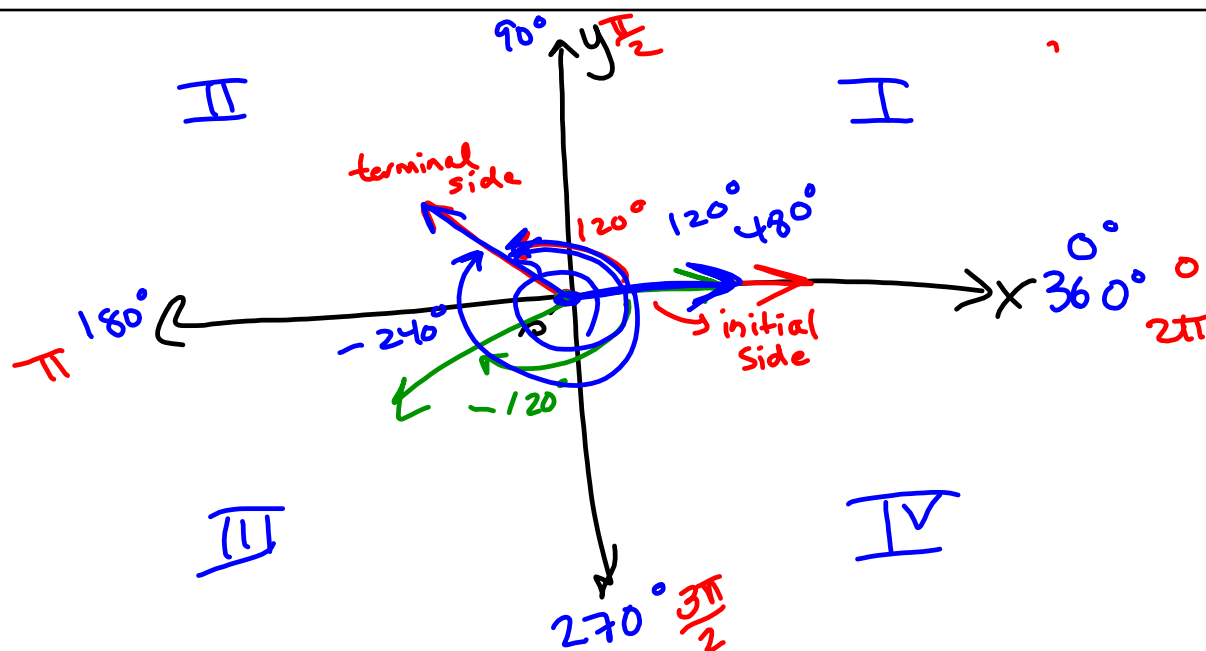
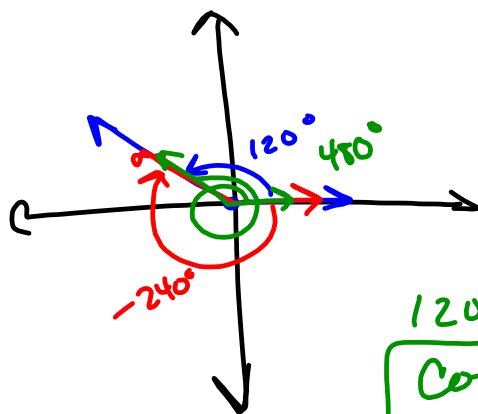


Chapter 4A: Right Triangle Trigonometry

4A.1 : Radian + Degree Measure

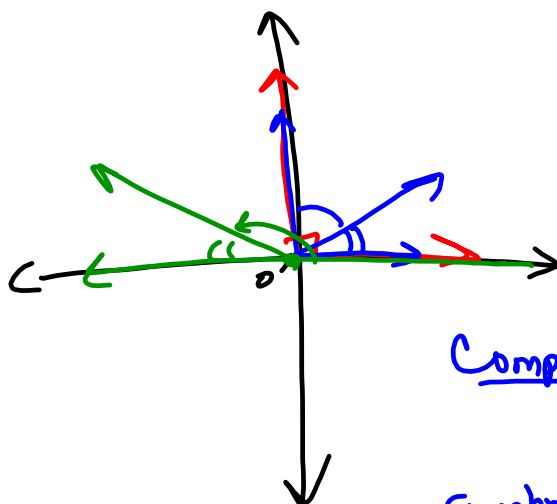




$120^\circ, -240^\circ, 480^\circ$

Coterminal
Angles

Same initial side
Same terminal side



Complimentary
add to 90° or $\frac{\pi}{2}$

Supplementary
add to 180° or π

Radians to Degrees

$$\text{radians} \times \left(\frac{180}{\pi} \right)$$

Ex1) Convert $\frac{5\pi}{6}$ to degrees

$$\frac{5\pi}{6} \left(\frac{180}{\pi} \right) = 150^\circ$$

Degrees to Radians

$$\text{degrees} \times \left(\frac{\pi}{180} \right)$$

Ex2) convert 120° to radians

$$\frac{120}{1} \left(\frac{\pi}{180} \right) = \frac{120}{180} \pi = \frac{2}{3} \pi = \frac{2\pi}{3}$$