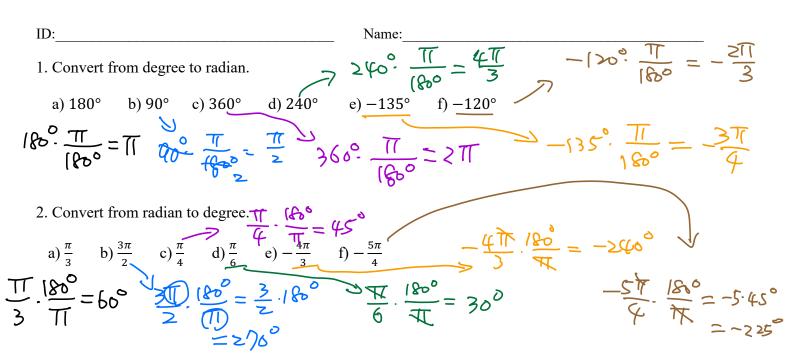
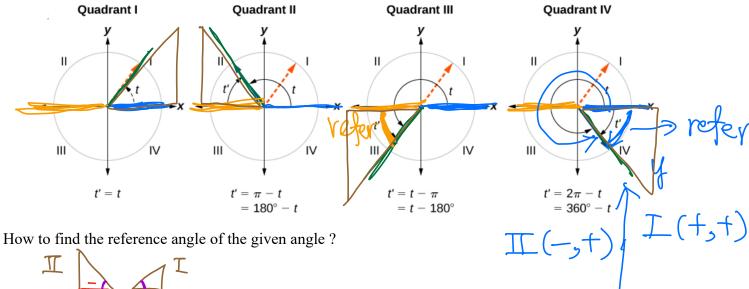
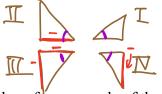
## MAT 1275, Classwork21, Fall2024

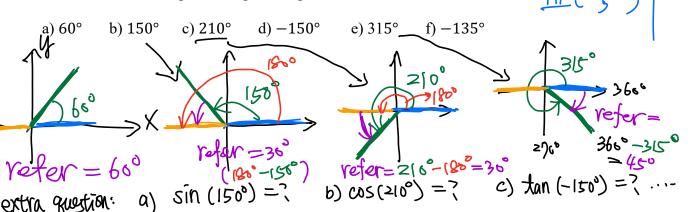


3. Reference Angle:

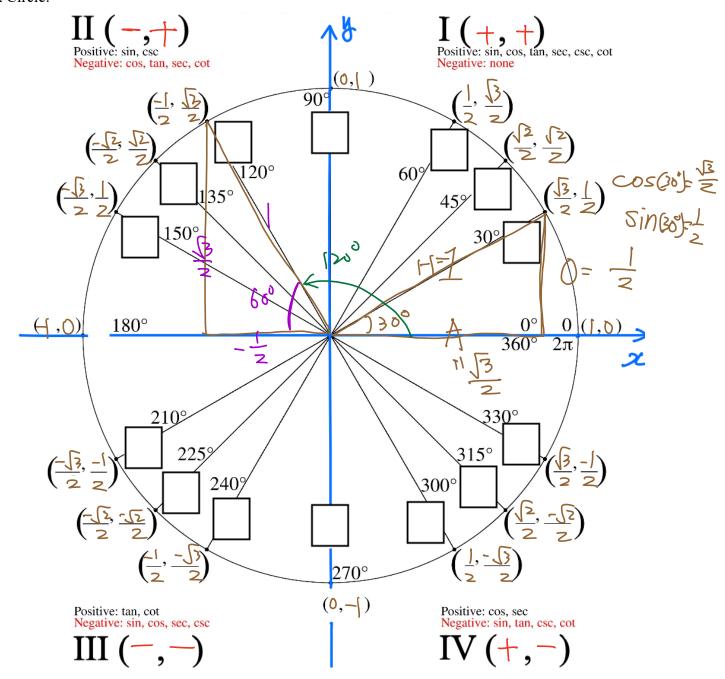




4. Find the reference angle of the given angle.



## 5. Unit Circle:



6. Find the exact solutions to the trigonometric equation for  $0 \le x < \frac{360}{2\pi}$ .  $(x \in [0,2\pi))$ .

$$4 \cdot \sin(x) + 2 = 0.$$

$$4 \cdot \sin(x) + 2 = 0.$$

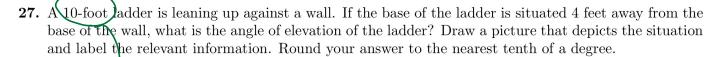
$$-\frac{1}{2} \Rightarrow \sin(x) = -\frac{1}{2} = \frac{0}{1}$$

$$-\frac{1}{2} \Rightarrow \sin(x) = -\frac{1}{2} = \frac{0}{1}$$

$$-\frac{1}{2} \Rightarrow \cos(x) = \cos(x)$$

$$-\frac{1}{2} \Rightarrow \sin(x) = -\frac{1}{2} = \frac{0}{1}$$

$$-\frac{1}{2} \Rightarrow \cos(x) = \cos(x)$$



Wall Feet

$$\cos(x) = \frac{A}{11} = \frac{4}{10}$$

$$\cos^{-1}\left(\frac{4}{10}\right) = \boxed{}$$