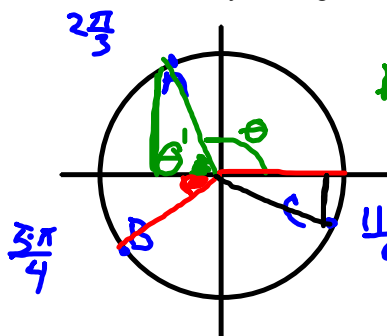


What is a reference angle?

- * It is positive
- * It is acute
 - Every acute angle is its own reference angle.
 - The quadrant angles have no reference angle (90° , 180° , 270° , 360°)
- * It is the acute angle your terminal side makes with the x-axis.

If your angle is in radians, the reference angle is in radians.
 Radians: If your angle is in degrees, the reference angle is in degrees.



A: $\theta' = \pi - \frac{2\pi}{3} = \frac{\pi}{3} \checkmark$

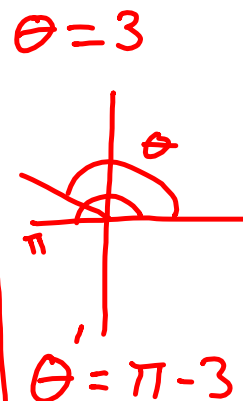
B: $\theta' = \frac{5\pi}{4} - \pi = \frac{\pi}{4} \checkmark$

C: $\theta' = 2\pi - \frac{11\pi}{6} = \frac{\pi}{6} \checkmark$

P: $\theta' = 180^\circ - 146^\circ = 34^\circ$

Q: $\theta' = 235^\circ - 180^\circ = 45^\circ$

R: $\theta' = 360^\circ - 320^\circ = 40^\circ$



Degrees:

