

Without the use of technology, decide whether the equation is true or false.

1) $\sin 174^\circ = \sin 6^\circ$

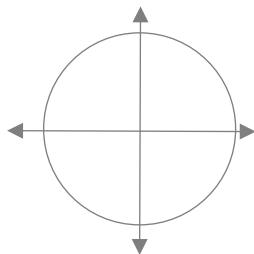
2) $\cos 200^\circ = \cos 20^\circ$

3) $\cos \frac{5\pi}{3} = -\cos \frac{\pi}{3}$

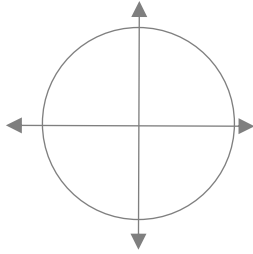
4) $\tan \frac{7\pi}{4} = \tan \frac{3\pi}{4}$

Sketch each angle in standard position, state the reference angle, and positive and negative coterminal angle. Make sure to draw its initial and terminal ray.

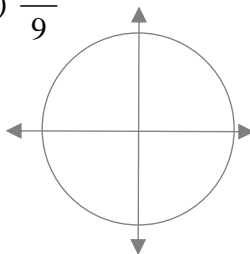
5) 405°



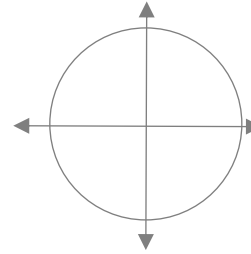
6) 0°



7) $\frac{5\pi}{9}$



8) 4 Radians



Ref Angle: _____

Ref Angle: _____

Ref Angle: _____

Ref Angle: _____

(+) Coterminal: _____

(+) Coterminal: _____

(+) Coterminal: _____

(+) Coterminal: _____

(-) Coterminal: _____

(-) Coterminal: _____

(-) Coterminal: _____

(-) Coterminal: _____

Determine the reference angle for each of the value.

9) 225°

10) -135°

11) $\frac{11\pi}{6}$

12) $-\frac{5\pi}{6}$

13) 270°

14) -25°

15) -2.7 Radians

16) $\frac{7\pi}{12}$
