![EffortlessMath logo]

Finding Co-Terminal Angles and Reference Angles

✎ *Find a conterminal angle between 0° and 360° for each angle provided.*

1) $-440° =$

3) $-435° =$

2) $640° =$

4) $-330° =$

✎ *Find a conterminal angle between 0 and 2π for each given angle.*
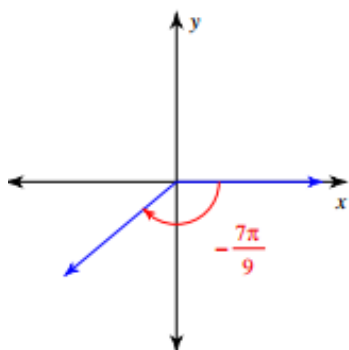
5) $\dfrac{15\pi}{4} =$

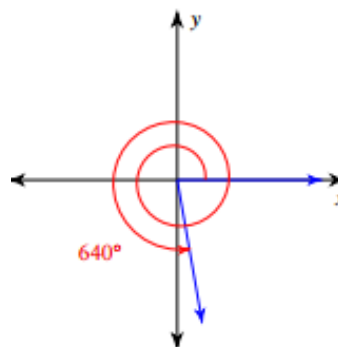7) $-\dfrac{35\pi}{18} =$

6) $-\dfrac{19\pi}{12} =$

8) $\dfrac{11\pi}{3} =$

✎ *Find the reference angle of each angle.*

9)

$-\dfrac{7\pi}{9}$

10)

$640°$

Answers

Finding Co–Terminal Angles and Reference Angles

1) 280°

2) 280°

3) 285°

4) 30°

5) $\dfrac{7\pi}{4}$

6) $\dfrac{5\pi}{12}$

7) $\dfrac{\pi}{18}$

8) $\dfrac{5\pi}{3}$

9) $\dfrac{2\pi}{9}$

10) 80°