Name : .....

Date : ..... Score : .....

MATH MONKS

Trigonometric Ratios on the Unit circle

Answer the following questions using the unit circle

1. $\cos 600^\circ =$ _____

   Quadrant - _____

   Reference angle - _____

2. $\tan \frac{7\pi}{6} =$ _____

   Quadrant - _____

   Reference angle - _____

3. $\sin 210^\circ =$ _____

   Quadrant - _____

   Reference angle - _____

4. $\cos \frac{11\pi}{6} =$ _____

   Quadrant - _____

   Reference angle - _____

5. $\cot 240^\circ =$ _____

   Quadrant - _____

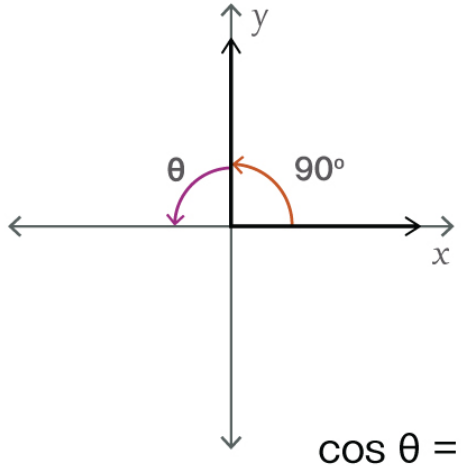
   Reference angle - _____

6. $\sec \frac{7\pi}{6} =$ _____

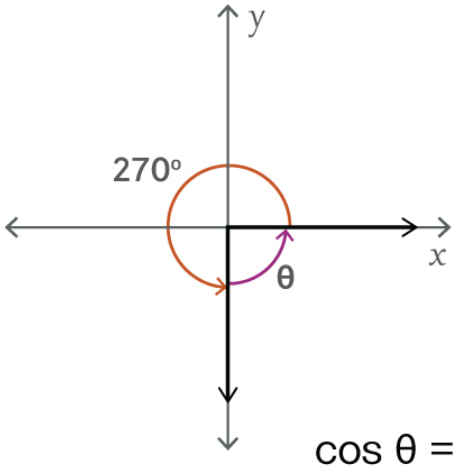
   Quadrant - _____

   Reference angle - _____

Find the value of each trigonometric function

7. 

   $\cos \theta =$ ___

8. 

   $\cos \theta =$ ___

Name : .....

Date : ..... Score : .....

MATH MONKS

Trigonometric Ratios on the Unit circle

Answers

1. $\cos 600^\circ = -\frac{1}{2}$
   Quadrant - III
   Reference angle - $\frac{\pi}{3}$

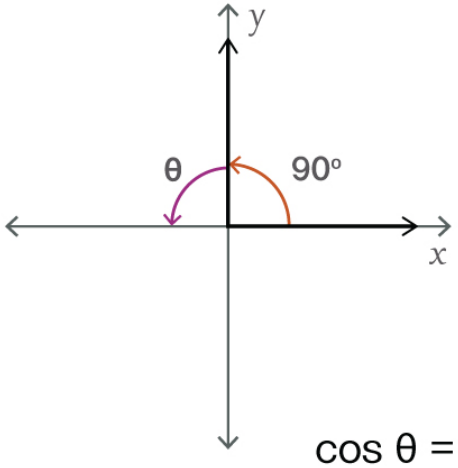
2. $\tan \frac{7\pi}{6} = \frac{\sqrt{3}}{3}$
   Quadrant - III
   Reference angle - $\frac{\pi}{6}$

3. $\sin 210^\circ = -\frac{1}{2}$
   Quadrant - III
   Reference angle - $\frac{\pi}{6}$

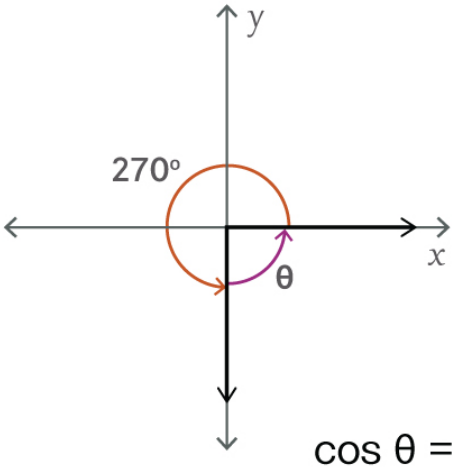
4. $\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2}$
   Quadrant - IV
   Reference angle - $\frac{\pi}{6}$

5. $\cot 240^\circ = \frac{\sqrt{3}}{3}$
   Quadrant - III
   Reference angle - $\frac{\pi}{3}$

6. $\sec \frac{7\pi}{6} = -\frac{2\sqrt{3}}{3}$
   Quadrant - III
   Reference angle - $\frac{\pi}{6}$

7. 

   $\cos \theta = 0$

8. 

   $\cos \theta = 0$