

PRETEST TRIGONOMETRY TEST 1 - BASICS

Convert each degree measure into radians.

1) 40°

2) 1050°

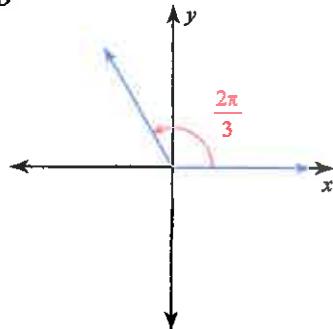
Convert each radian measure into degrees.

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

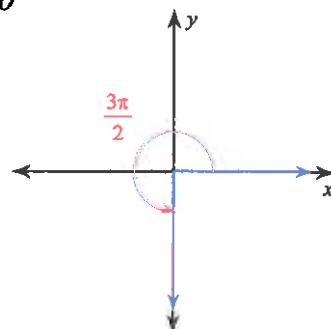
4) $\frac{7\pi}{3}$

Find the exact value of each trigonometric function.

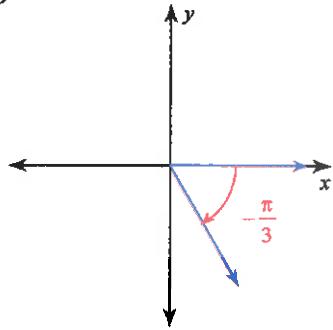
5) $\sin \theta$



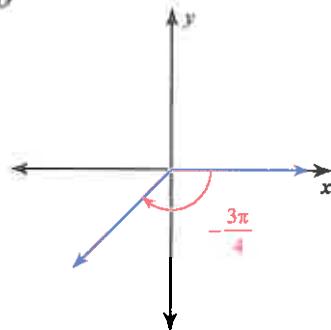
6) $\csc \theta$



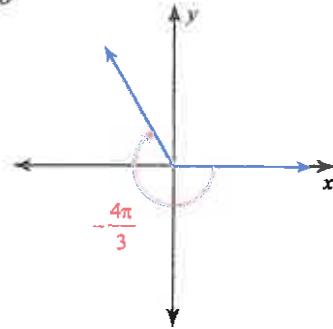
7) $\sin \theta$



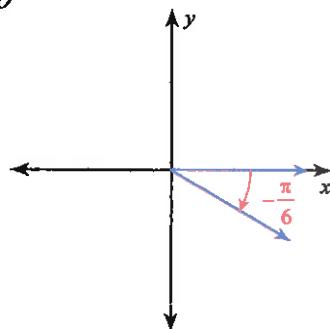
8) $\csc \theta$



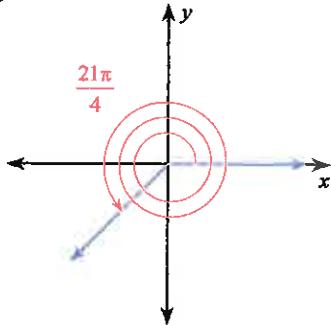
9) $\cos \theta$



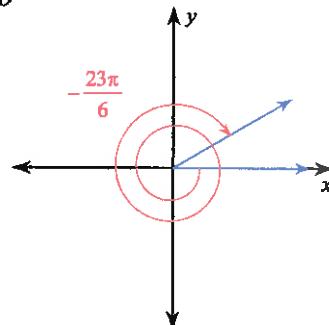
10) $\cos \theta$



11) $\sin \theta$

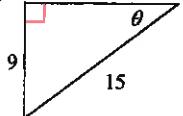


12) $\cot \theta$

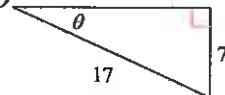


Find the value of the trig function indicated.

13) $\cos \theta$



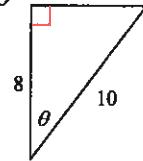
14) $\cot \theta$



15) $\sec \theta$

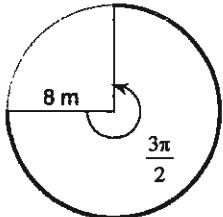


16) $\sec \theta$

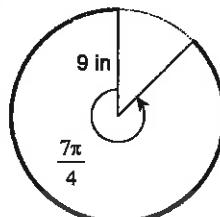


Find the length of each arc.

17)



18)



Solve each equation for $0 \leq \theta < 2\pi$.

19) $\frac{1}{2} = \cos \theta$

20) $-\frac{\sqrt{3}}{3} = \tan \theta$

21) $\cot \theta = -\sqrt{3}$

22) $\cos \theta = -\frac{1}{2}$