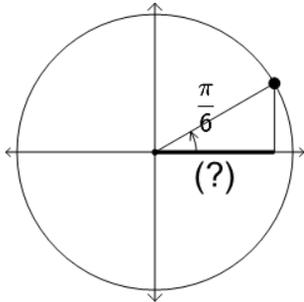


Trigonometry, Unit Circle Dimensions as Sin/Cos and Solved Ratio of Angle Radians

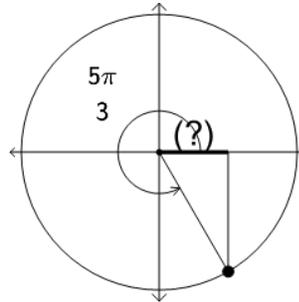
1



What calculation gives the X dimension for the unit circle point at $\pi/6$ radians?

A	B
$\sin\left(\frac{\pi}{6}\right) = -\frac{\sqrt{3}}{2}$	$\cos\left(\frac{\pi}{6}\right) = \frac{\sqrt{3}}{2}$

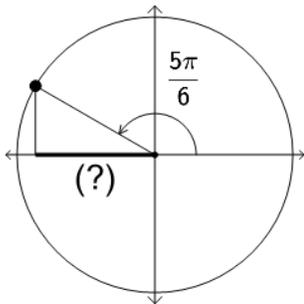
2



What calculation gives the X dimension for the unit circle point at $5\pi/3$ radians?

A	B
$\sin\left(\frac{5\pi}{3}\right) = \frac{\sqrt{3}}{2}$	$\cos\left(\frac{5\pi}{3}\right) = \frac{1}{2}$

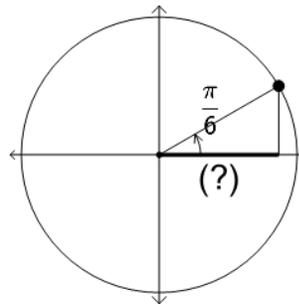
3



What calculation gives the X dimension for the unit circle point at $5\pi/6$ radians?

A	B
$\cos\left(\frac{5\pi}{6}\right) = -\frac{\sqrt{3}}{2}$	$\sin\left(\frac{5\pi}{6}\right) = -\frac{1}{2}$

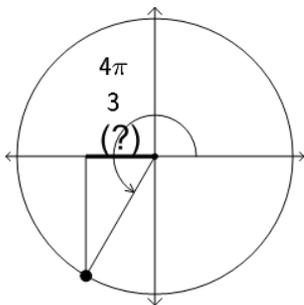
4



What calculation gives the X dimension for the unit circle point at $\pi/6$ radians?

A	B
$\sin\left(\frac{\pi}{6}\right) = -\frac{\sqrt{2}}{2}$	$\cos\left(\frac{\pi}{6}\right) = \frac{\sqrt{3}}{2}$

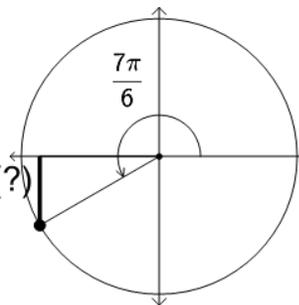
5



What calculation gives the X dimension for the unit circle point at $4\pi/3$ radians?

A	B
$\cos\left(\frac{4\pi}{3}\right) = -\frac{1}{2}$	$\sin\left(\frac{4\pi}{3}\right) = \frac{1}{2}$

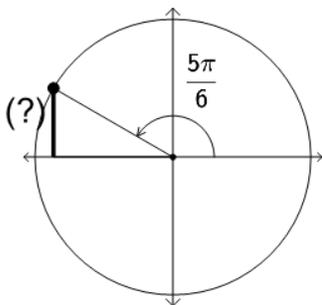
6



What calculation gives the Y dimension for the unit circle point at $7\pi/6$ radians?

A	B
$\sin\left(\frac{7\pi}{6}\right) = -\frac{1}{2}$	$\cos\left(\frac{7\pi}{6}\right) = \frac{\sqrt{3}}{2}$

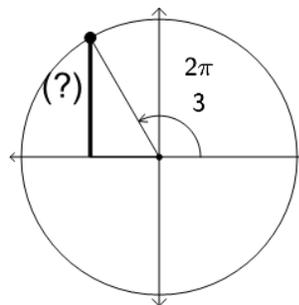
7



What calculation gives the Y dimension for the unit circle point at $5\pi/6$ radians?

A	B
$\cos\left(\frac{5\pi}{6}\right) = -\frac{1}{2}$	$\sin\left(\frac{5\pi}{6}\right) = \frac{1}{2}$

8



What calculation gives the Y dimension for the unit circle point at $2\pi/3$ radians?

A	B
$\sin\left(\frac{2\pi}{3}\right) = \frac{\sqrt{3}}{2}$	$\cos\left(\frac{2\pi}{3}\right) = \frac{\sqrt{2}}{2}$