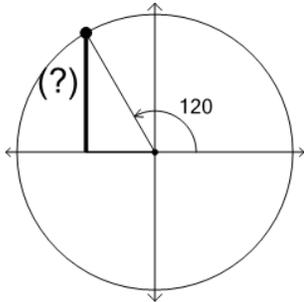


Trigonometry, Unit Circle Dimensions as Sin/Cos and Solved Ratio of Angle Degrees

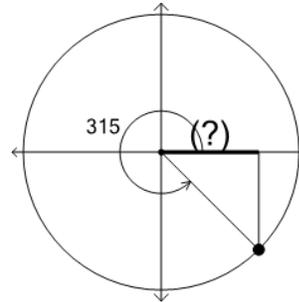
1



What calculation gives the Y dimension for the unit circle point at 120°?

A	B
$\sin(120^\circ) = \frac{\sqrt{3}}{2}$	$\cos(120^\circ) = \frac{1}{2}$

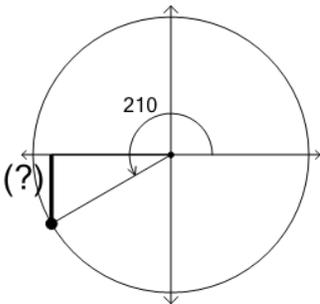
2



What calculation gives the X dimension for the unit circle point at 315°?

A	B
$\cos(315^\circ) = \frac{\sqrt{2}}{2}$	$\sin(315^\circ) = -\frac{1}{2}$

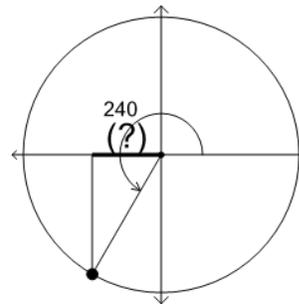
3



What calculation gives the Y dimension for the unit circle point at 210°?

A	B
$\cos(210^\circ) = \frac{\sqrt{2}}{2}$	$\sin(210^\circ) = -\frac{1}{2}$

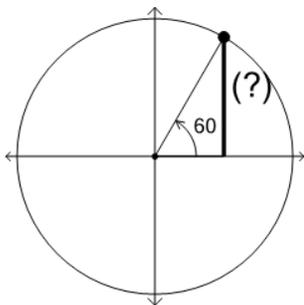
4



What calculation gives the X dimension for the unit circle point at 240°?

A	B
$\sin(240^\circ) = -\frac{\sqrt{2}}{2}$	$\cos(240^\circ) = -\frac{1}{2}$

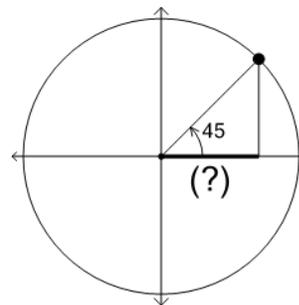
5



What calculation gives the Y dimension for the unit circle point at 60°?

A	B
$\sin(60^\circ) = \frac{\sqrt{3}}{2}$	$\cos(60^\circ) = \frac{1}{2}$

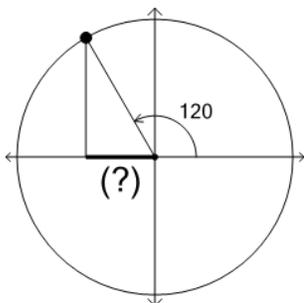
6



What calculation gives the X dimension for the unit circle point at 45°?

A	B
$\sin(45^\circ) = -\frac{\sqrt{2}}{2}$	$\cos(45^\circ) = \frac{\sqrt{2}}{2}$

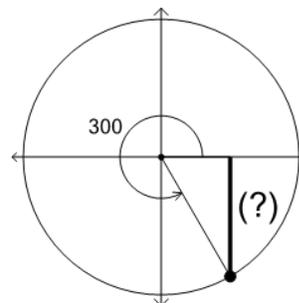
7



What calculation gives the X dimension for the unit circle point at 120°?

A	B
$\sin(120^\circ) = \frac{1}{2}$	$\cos(120^\circ) = -\frac{1}{2}$

8



What calculation gives the Y dimension for the unit circle point at 300°?

A	B
$\sin(300^\circ) = -\frac{\sqrt{3}}{2}$	$\cos(300^\circ) = -\frac{1}{2}$