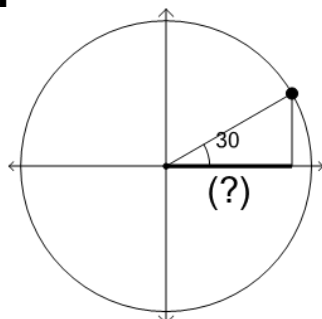




## Trigonometry, Unit Circle Dimensions as Sin/Cos of Angle Degrees



1



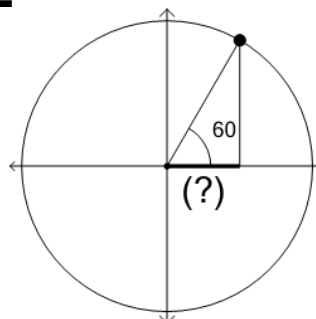
What is the X dimension for the unit circle point at 30°?

A

B

 $\cos(30^\circ)$  $\sin(30^\circ)$ 

2



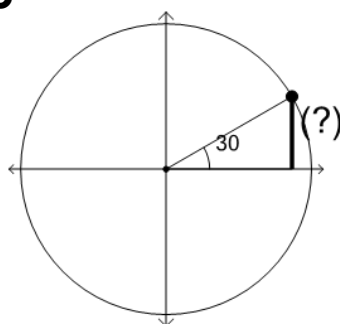
What is the X dimension for the unit circle point at 60°?

A

B

 $\sin(60^\circ)$  $\cos(60^\circ)$ 

3



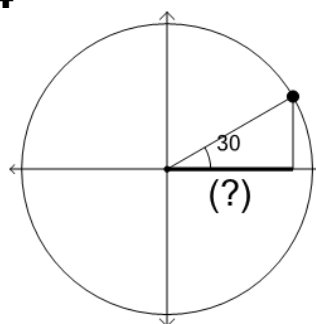
What is the Y dimension for the unit circle point at 30°?

A

B

 $\cos(30^\circ)$  $\sin(30^\circ)$ 

4



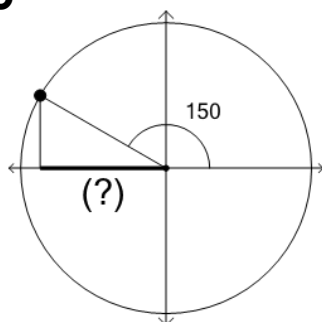
What is the X dimension for the unit circle point at 30°?

A

B

 $\sin(30^\circ)$  $\cos(30^\circ)$ 

5



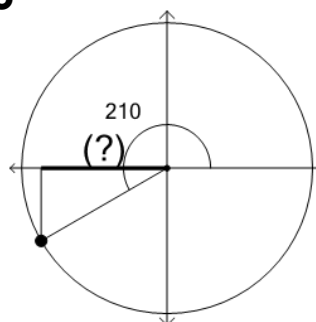
What is the X dimension for the unit circle point at 150°?

A

B

 $\sin(150^\circ)$  $\cos(150^\circ)$ 

6



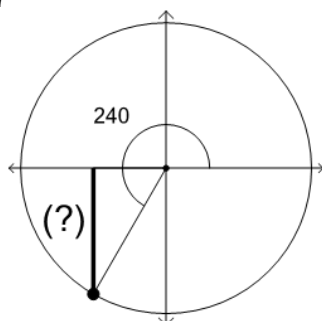
What is the X dimension for the unit circle point at 210°?

A

B

 $\sin(210^\circ)$  $\cos(210^\circ)$ 

7



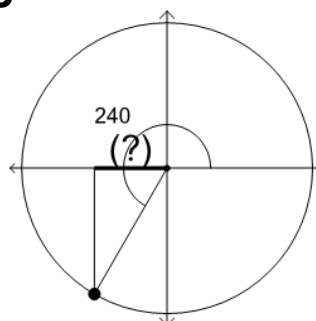
What is the Y dimension for the unit circle point at 240°?

A

B

 $\sin(240^\circ)$  $\cos(240^\circ)$ 

8



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

A

B

 $\sin(240^\circ)$  $\cos(240^\circ)$