Name

Trigonometry, Unit Circle - Angle (Radians) to Cos/Sin Coordinates (30s)

1

$\frac{\pi}{4}$ radians

What are the coordinates of the point on the unit circle at π/4 radians?

A	B
$(\cos(\frac{\pi}{4}), \sin(\frac{\pi}{4}))$	$(\sin(\frac{\pi}{4}), \cos(\frac{\pi}{4}))$

2

$\frac{7\pi}{6}$ radians

What are the coordinates of the point on the unit circle at 7π/6 radians?

A	B
$(\sin(\frac{7\pi}{6}), \cos(\frac{7\pi}{6}))$	$(\cos(\frac{7\pi}{6}), \sin(\frac{7\pi}{6}))$

3

$\frac{2\pi}{3}$ radians

What are the coordinates of the point on the unit circle at 2π/3 radians?

A	B
$(\sin(\frac{2\pi}{3}), \cos(\frac{2\pi}{3}))$	$(\cos(\frac{2\pi}{3}), \sin(\frac{2\pi}{3}))$

4

$\frac{3\pi}{2}$ radians

What are the coordinates of the point on the unit circle at 3π/2 radians?

A	B
$(\cos(\frac{3\pi}{2}), \sin(\frac{3\pi}{2}))$	$(\sin(\frac{3\pi}{2}), \cos(\frac{3\pi}{2}))$

5

$\frac{3\pi}{4}$ radians

What are the coordinates of the point on the unit circle at 3π/4 radians?

A	B
$(\sin(\frac{3\pi}{4}), \cos(\frac{3\pi}{4}))$	$(\cos(\frac{3\pi}{4}), \sin(\frac{3\pi}{4}))$

6

2π radians

What are the coordinates of the point on the unit circle at 2π radians?

A $(\cos(2\pi), \sin(2\pi))$

B $(\sin(2\pi), \cos(2\pi))$

7

$\frac{5\pi}{3}$ radians

What are the coordinates of the point on the unit circle at 5π/3 radians?

A	B
$(\cos(\frac{5\pi}{3}), \sin(\frac{5\pi}{3}))$	$(\sin(\frac{5\pi}{3}), \cos(\frac{5\pi}{3}))$

8

$\frac{\pi}{6}$ radians

What are the coordinates of the point on the unit circle at π/6 radians?

A	B
$(\cos(\frac{\pi}{6}), \sin(\frac{\pi}{6}))$	$(\sin(\frac{\pi}{6}), \cos(\frac{\pi}{6}))$