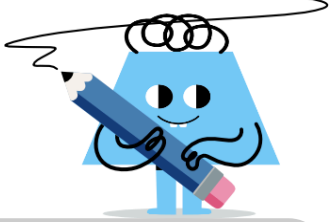
Name

Trigonometry, Unit Circle - Angle (Radians) to Cos/Sin Coordinates (45s)



1

$\frac{7\pi}{4}$ radians

What are the coordinates of the point on the unit circle at 7π/4 radians?

A $(\cos(\frac{7\pi}{4}), \sin(\frac{7\pi}{4}))$

B $(\sin(\frac{7\pi}{4}), \cos(\frac{7\pi}{4}))$

2

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

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

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

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

3

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

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

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

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

4

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

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

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

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

5

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

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

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

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

6

$\frac{5\pi}{4}$ radians

What are the coordinates of the point on the unit circle at 5π/4 radians?

A $(\sin(\frac{5\pi}{4}), \cos(\frac{5\pi}{4}))$

B $(\cos(\frac{5\pi}{4}), \sin(\frac{5\pi}{4}))$

7

π radians

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

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

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

8

2π radians

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

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

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