



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

1

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

π radians

A

$(-1, 0)$

B

$(0, -1)$

2

What are the coordinates of the point on the unit circle at $\pi/2$ radians?

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

A

$(1, 0)$

B

$(0, 1)$

3

What are the coordinates of the point on the unit circle at $3\pi/2$ radians?

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

A

$(0, -1)$

B

$(-1, 0)$

4

What are the coordinates of the point on the unit circle at $7\pi/4$ radians?

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

A

$(-\frac{1}{2}, -\frac{\sqrt{3}}{2})$

B

$(\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2})$

5

What are the coordinates of the point on the unit circle at $\pi/4$ radians?

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

A

$(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2})$

B

$(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2})$

6

What are the coordinates of the point on the unit circle at $5\pi/4$ radians?

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

A

$(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2})$

B

$(-\frac{1}{2}, -\frac{\sqrt{3}}{2})$

7

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

2π radians

A

$(1, 0)$

B

$(-1, 0)$

8

What are the coordinates of the point on the unit circle at $3\pi/4$ radians?

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

A

$(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2})$

B

$(-\frac{1}{2}, \frac{\sqrt{3}}{2})$