Name

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

1

What are the coordinates of the point on the unit circle at 45°?

45°

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

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

2

What are the coordinates of the point on the unit circle at 315°?

315°

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

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

3

What are the coordinates of the point on the unit circle at 135°?

135°

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

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

4

What are the coordinates of the point on the unit circle at 360°?

360°

A $(0, 1)$

B $(1, 0)$

5

What are the coordinates of the point on the unit circle at 180°?

180°

A $(-1, 0)$

B $(0, 1)$

6

What are the coordinates of the point on the unit circle at 90°?

90°

A $(-1, 0)$

B $(0, 1)$

7

What are the coordinates of the point on the unit circle at 225°?

225°

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

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

8

What are the coordinates of the point on the unit circle at 270°?

270°

A $(1, 0)$

B $(0, -1)$