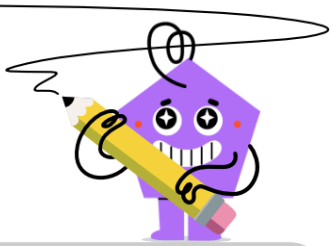
Name

Trigonometry, Unit Circle - Angle (Degrees) to Coordinates (30s)



1

What are the coordinates of the point on the unit circle at 30°?

30°

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

2

What are the coordinates of the point on the unit circle at 300°?

300°

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

3

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

135°

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

4

What are the coordinates of the point on the unit circle at 120°?

120°

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

5

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

315°

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

6

What are the coordinates of the point on the unit circle at 150°?

150°

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

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 60°?

60°

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