

Trigonometry Practice Test Questions and Answers

1. What is the value of $\sin(30^\circ)$?

- A) $1/2$
- B) $\sqrt{3}/2$
- C) $\sqrt{2}/2$
- D) 1

2. If $\cos(\theta) = 3/5$, what is $\sin(\theta)$ in a right triangle?

- A) $4/5$
- B) $3/4$
- C) $5/3$
- D) $5/4$

3. What is the period of the function $y = \sin(2x)$?

- A) π
- B) 2π
- C) $\pi/2$
- D) 4π

4. Which identity represents the Pythagorean theorem in trigonometry?

- A) $\sin^2\theta + \cos^2\theta = 1$
- B) $\tan(\theta) = \sin(\theta)/\cos(\theta)$
- C) $\sin(2\theta) = 2\sin(\theta)\cos(\theta)$
- D) $\cos(2\theta) = \cos^2\theta - \sin^2\theta$

Answers: 1-A 2-A 3-A 4-A

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