

Pythagorean Theorem Quiz

Mathematics · Answer Key · 7 Questions

1. What type of triangle does the Pythagorean Theorem apply to?

- A) Acute
- B) Obtuse
- C) Right**
- D) Equilateral

2. The Pythagorean Theorem states: $a^2 + b^2 = ?$

- A) c^3
- B) c
- C) c^2**
- D) $2c$

3. Which side is 'c' in the Pythagorean Theorem?

- A) Shortest side
- B) Opposite side
- C) Hypotenuse**
- D) Adjacent side

4. If $a=3$ and $b=4$, what is c ?

- A) 5**
- B) 7
- C) 25
- D) 12

5. The sides 'a' and 'b' are referred to as what?

- A) Hypotenuses
- B) Legs**
- C) Right Angles
- D) Equal Sides

6. What is the converse of the Pythagorean Theorem used to determine?

- A) Area of a triangle
- B) If a triangle is right angled**
- C) Perimeter of a triangle
- D) Angle measures

7. What is the formula to find 'a' if you know 'b' and 'c'?

A) $a = \sqrt{c^2 + b^2}$

B) $a = \sqrt{c^2 - b^2}$

C) $a = c^2 - b^2$

D) $a = c - b$