

# Pythagorean Theorem Quiz

Mathematics · Practice Test · 7 Questions

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**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)  $a = c - b$