

Name _____

The Pythagorean Puzzle: Unlocking the Secrets of Triangles

Multiple Choice Questions

1. What is the Pythagorean theorem used for?
 - a) Finding the area of a circle
 - b) Solving equations
 - c) Finding the length of the sides of a right triangle
 - d) Calculating angles in a polygon

2. What type of triangle does the Pythagorean theorem apply to?
 - a) Equilateral triangle
 - b) Isosceles triangle
 - c) Scalene triangle
 - d) Right triangle

3. What is the hypotenuse of a right triangle?
 - a) The side opposite the smallest angle
 - b) The longest side, opposite the right angle
 - c) The sum of the lengths of the other two sides
 - d) The side adjacent to the right angle

4. How do you use the Pythagorean theorem to find the length of the hypotenuse?
 - a) Add the lengths of the other two sides
 - b) Multiply the lengths of the other two sides
 - c) Take the square root of the sum of the squares of the other two sides
 - d) Divide the lengths of the other two sides

5. Where is the Pythagorean theorem used in real life?
 - a) In architecture and construction
 - b) Only in mathematics textbooks
 - c) In cooking recipes
 - d) In painting and art

