

The Pythagorean Theorem and Its Inverse Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. **If the square of the length of the longest side of a triangle is greater than the sum of the squares of the lengths of the other two sides, then the triangle is a/an:**
 - a. Right triangle
 - b. Acute triangle
 - c. Obtuse triangle
 - d. None of these

2. **If the square of the length of the longest side of a triangle is less than the sum of the squares of the lengths of the other two sides, then the triangle is a/an:**
 - a. Right triangle
 - b. Acute triangle
 - c. Obtuse triangle
 - d. None of these

3. **If the square of the length of the longest side of a triangle is equal to the sum of the squares of the lengths of the other two sides, then the triangle is a/an:**
 - a. Right triangle
 - b. Acute triangle
 - c. Obtuse triangle
 - d. None of these

4. **The longest side in a right triangle is:**
 - a. hypotenuse
 - b. adjacent
 - c. opposite
 - d. None of these

Part B Instructions: Answer the question below.

5. **The lengths of the sides of a triangle are given. Identify if the triangle is a right triangle or not.**