Triangle and Quadrilateral Properties Quiz

Grade Level: Grade 8 | **Date:** 2025-11-15 20:34:59

Instructions: Answer all questions. Show your work where applicable.

Question 1: Which of the following statements accurately describes the diagonals of a rectangle?

A) They are always perpendicular to each other.
B) They are equal in length and bisect each other.
C) They bisect the angles of the rectangle.
D) They are always unequal in length.

Answer Key

Question 1: B

Explanation: The diagonals of a rectangle are proven to be equal in length and bisect each other, meaning they cut each other into two equal parts at their intersection point. This is a defining property of rectangles.