

Quadrilateral Properties Quiz

Grade Level: Grade 8 | **Date:** 2025-11-15 21:01:35

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

Question 1: Which statement accurately describes a property of the diagonals of a rhombus?

- A) The diagonals of a rhombus are always equal in length.
- B) The diagonals of a rhombus bisect each other at 90 degrees.
- C) The diagonals of a rhombus do not bisect its angles.
- D) The diagonals of a rhombus are always shorter than its sides.

Answer Key

Question 1: B) The diagonals of a rhombus bisect each other at 90 degrees.

Explanation: According to Property 6 of a rhombus, its diagonals intersect each other at an angle of 90 degrees, meaning they bisect each other perpendicularly. Property 5 also states they bisect the angles of the rhombus, and they are not always equal in length (only in a square, which is a special type of rhombus).