

# Quadrilateral Properties Quiz

**Grade Level:** Grade 8 | **Date:** 2025-11-15 20:57:32

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

**Question 1:** Which of the following properties is true for both a square and a rhombus?

- A) All four angles are right angles.
- B) The diagonals are always equal in length.
- C) The diagonals bisect each other at a 90° angle.
- D) Only opposite sides are equal in length.

# Answer Key

## Question 1: C

*Explanation:* For a square, Property 4 states that its diagonals bisect each other at  $90^\circ$ . For a rhombus, Property 6 states that its diagonals intersect each other at an angle of  $90^\circ$ . Therefore, this property is common to both.