Quadrilateral Properties Quiz

Grade Level: Grade 8 | **Date:** 2025-11-15 20:59:48

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

Question 1: In a circle with center O, line segments PL and AM are two diameters that are perpendicular to each other. What type of quadrilateral is APML?

A) Rectangle
B) Rhombus
C) Square
D) Parallelogram

Answer Key

Question 1: C

Explanation: The diagonals of quadrilateral APML are PL and AM. Since they are diameters of the same circle, they are equal in length and bisect each other at the center O. Since they are also perpendicular, a quadrilateral with equal diagonals that bisect each other at 90 degrees is a square.