DO NOW

GEOMETRY · 5 MINUTES · START RIGHT AWAY

Lesson 6-5a **Investigate the Angles Formed by the Diagonals of a Rhombus**

Name _____ Date _____ Per _____

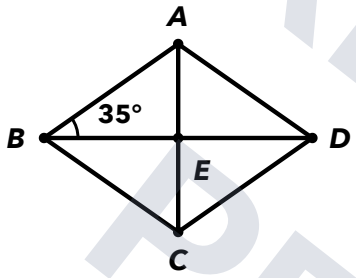
1 FLUENCY

In rhombus PQRS, the diagonals meet at T. If m∠QPR = 28°, find each angle.

m∠PTQ = ☐ m∠SPR = ☐ m∠QPS = ☐

2 VISUAL MODEL

ABCD is a rhombus and m∠ABD = 35°. Find each angle.



m∠AEB = ☐

m∠CBD = ☐

m∠BAE = ☐

3 APPLICATION

A rhombus-shaped garden has a 110° corner at the gate. A straight path runs from the gate along a diagonal. A second path runs along the other diagonal.

Angle between path and each fence: ☐

Angle where the two paths cross: ☐

WORK

4 REASONING

Always, sometimes, or never? **The diagonals of a parallelogram are perpendicular.** Explain with an example.

Always **Sometimes** **Never**

_____

_____

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com