Name _____ Date _____ Class _____

1. Which property is true of all trapezoids?

 A. One pair of sides is parallel.

 B. Adjacent sides are perpendicular.

 C. Two sides are congruent.

 D. Opposite angles are congruent.

2. Which term does NOT describe the shape of this road sign?

 F. rhombus

 G. trapezoid

 H. quadrilateral

 I. parallelogram

3. Which of these is NOT a parallelogram?

 A. square

 B. rhombus

 C. trapezoid

 D. rectangle

4. In the figure, lines *a* and *b* are parallel. So are lines *p* and *q*. Perpendicular lines are marked.

 Which of the following figures is a parallelogram?

 F. *STYX*

 G. *ZXSQ*

 H. *XYRW*

 I. *WSTR*

5. Which of the following statements is true?

 A. All rectangles are squares.

 B. All quadrilaterals are rectangles.

 C. All squares are rhombuses.
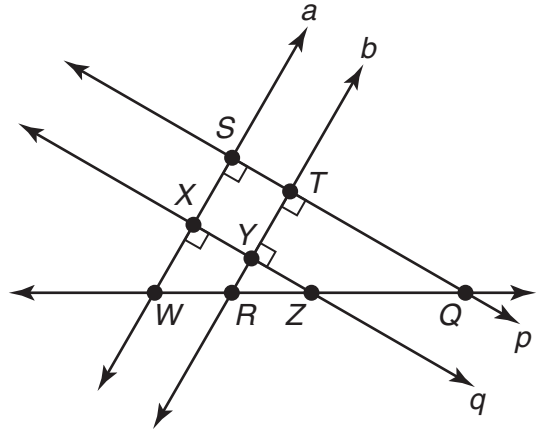
 D. All trapezoids are parallelograms.

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GRADE 10 **Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.3.2 Benchmark Pre-Test (Multiple Choice)

6. Which statement about the quadrilaterals shown is true?
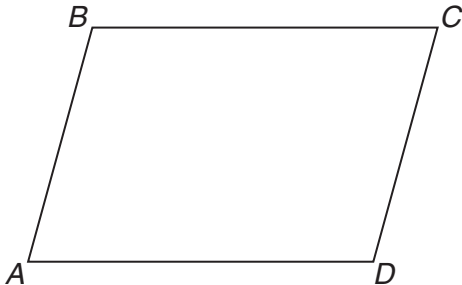
F. If $\overline{AB}$ is perpendicular to $\overline{AD}$, then exactly one of the quadrilaterals is a rectangle.

G. If $\overline{BC} \cong \overline{EF}$, $\overline{CD} \cong \overline{FG}$, $\overline{DA} \cong \overline{GH}$ and $\overline{AB} \cong \overline{HE}$, then both quadrilaterals have the same area.

H. If $\angle A \cong \angle C$, then both quadrilaterals are rectangles.

I. If quadrilateral *ABCD* is a parallelogram and the measure of $\angle C = 90°$ then both quadrilaterals are rectangles.

**7.** Which quadrilateral has the properties that its diagonals are congruent and opposite sides are parallel?

A. trapezoid

B. parallelogram

C. rhombus

D. rectangle

8. The angles of quadrilateral *HIJK* measure $(2x - 10)°$, $(3x - 10)°$, $(x - 10)°$, and $(x + 40)°$.

Which name is the best classification of *HIJK*?

F. trapezoid

G. parallelogram

H. rectangle

I. rhombus

9. Which statement about the quadrilaterals shown is true?
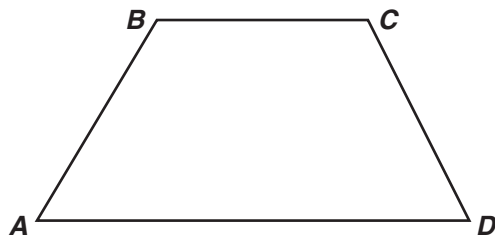
A. If *EFGH* is a rectangle, *EG* is perpendicular to *FH*.

B. If $\angle A \cong \angle D$, *ABCD* is a trapezoid.

C. If *AB* = *CD*, *AD* || *BC* and *EFGH* is a rectangle, then *AC* = *BD* and *EG* = *FH*.

D. If *AB* = *CD* and *EF* = *FG* = *GH* = *EH*, then *AC* = *BD* and *EG* = *FH*.

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