

6-5

Standardized Test Prep

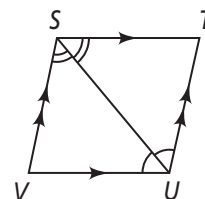
Conditions for Rhombuses, Rectangles, and Squares

Multiple Choice

For Exercises 1–4, choose the correct letter.

1. Which is the most precise name of this figure?

- (A) parallelogram (C) rectangle
 (B) rhombus (D) square



2. Which of the following conditions or set of conditions must be met for a parallelogram to be a rectangle?

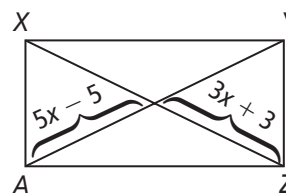
- (F) Diagonals are perpendicular.
 (G) Diagonals are congruent.
 (H) All sides are congruent.
 (I) The length of a diagonal is equal to the length of a side.

3. Which of the following conditions or set of conditions is sufficient for a parallelogram to be a square?

- (A) Diagonals are perpendicular and diagonals are congruent.
 (B) Diagonals are congruent.
 (C) All sides are congruent.
 (D) The length of a diagonal is equal to the length of a side.

4. For what value of x is $\square XYZA$ a rectangle?

- (F) 2 (H) 4
 (G) 3 (I) 5



Short Response

5. The diagonals of a parallelogram are 2.3 cm and 3.2 cm long. Can you tell if the parallelogram is a rhombus? Explain.