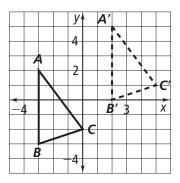
Class Date

Standardized Test Prep Translations

Multiple Choice

For Exercises 1-4, choose the correct letter.

- **1.** In the diagram, $\triangle A'B'C'$ is an image of $\triangle ABC$. Which rule describes this translation?
 - $(x, y) \rightarrow (x 5, y 3)$
 - $(\mathbb{B})(x, y) \rightarrow (x + 5, y + 3)$
 - \bigcirc $(x, y) \rightarrow (x 3, y 5)$
 - \bigcirc $(x, y) \rightarrow (x + 3, y + 5)$



2. The translation $(x, y) \rightarrow (x + 3, y - 7)$ maps *TUVW* onto T'U'V'W'. What translation maps T'U'V'W' onto TUVW?

$(\mathbf{F}) (x, y) \rightarrow (x + 3, y - 7)$	$(\mathbb{H})(x, y) \rightarrow (x + 7, y - 3)$
$\bigcirc (x, y) \rightarrow (x - 7, y + 3)$	$\bigcirc (x, y) \rightarrow (x - 3, y + 7)$

- 3. Which of the following is true for an isometry?
 - A The preimage and the image are congruent.
 - **B** The preimage is larger than the image.
 - C The preimage is smaller than the image.
 - D The preimage is in the same position as the image.
- **4.** $\triangle RSV$ has coordinates R(2, 1), S(3, 2), and V(2, 6). A translation maps point R to R' at (-4, 8). What are the coordinates for S' for this translation? (F) (-6, -4) (G) (-3, 2) (H) (-3, 9) (L) (-4, 13)

Short Response

5. \triangle *LMP* has coordinates *L*(3, 4), *M*(6, 6), and *P*(5, 5). A translation maps point *L* to *L'* at (7, -4). What are the coordinates for *M'* and for *P'* for this translation?