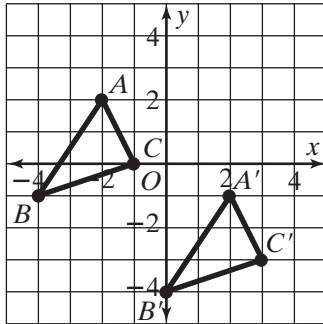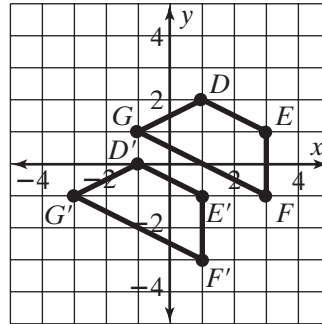# Practice 9-8

Translations

Write a rule to describe each translation.
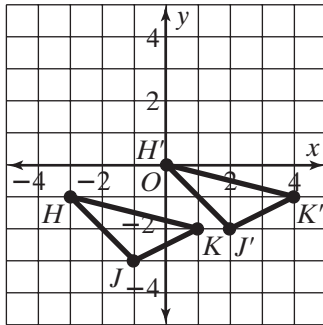
1. $(x, y) \rightarrow$ _____

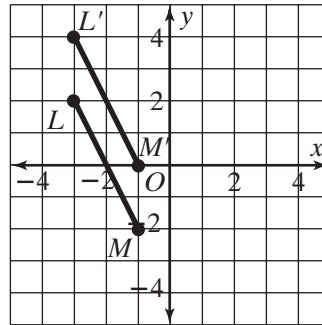**2.** $(x, y) \rightarrow$ _____
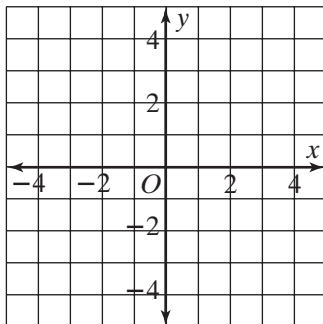
3. $(x, y) \rightarrow$ _____
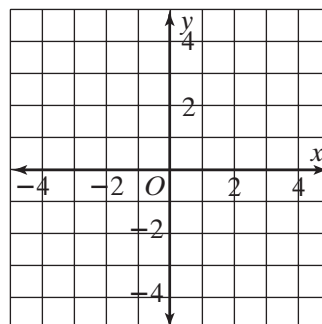
4. $(x, y) \rightarrow$ _____

The vertices of a triangle and a translation are given. Graph each triangle and its image.

5. $G(-4, 4), H(-2, 3),$
$J(-3, 0)$; right 5 and down 2

6. $K(0, -1), L(4, 2), M(3, -3)$;
left 4 units and up 3 units

A point and its image after a translation are given. Write a rule to describe the translation.

7. $A(9, -4), A'(2, -1)$ $(x, y) \rightarrow$ _____

8. $B(-3, 5), B'(-5, -3)$ $(x, y) \rightarrow$ _____