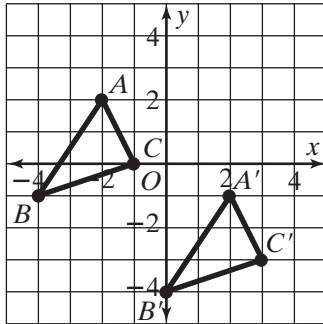


# Practice 9-8

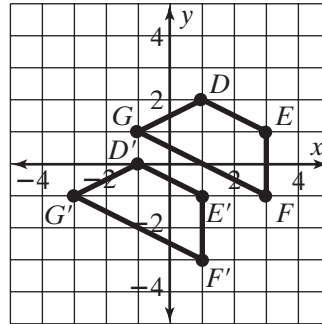
## Translations

Write a rule to describe each translation.

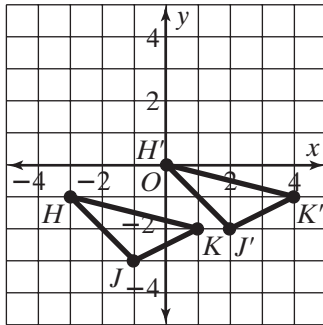
1.  $(x, y) \rightarrow$  \_\_\_\_\_



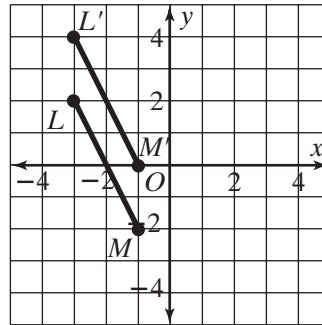
2.  $(x, y) \rightarrow$  \_\_\_\_\_



3.  $(x, y) \rightarrow$  \_\_\_\_\_

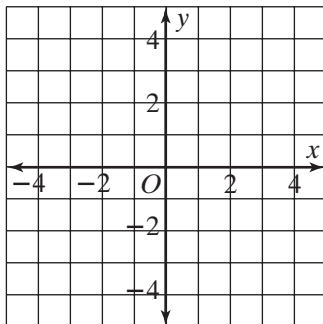


4.  $(x, y) \rightarrow$  \_\_\_\_\_

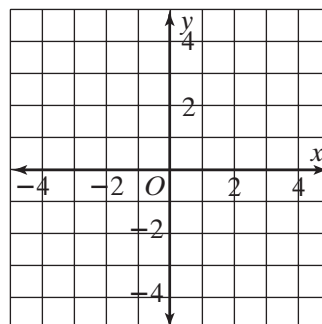


The vertices of a triangle and a translation are given. Graph each triangle and its image.

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

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