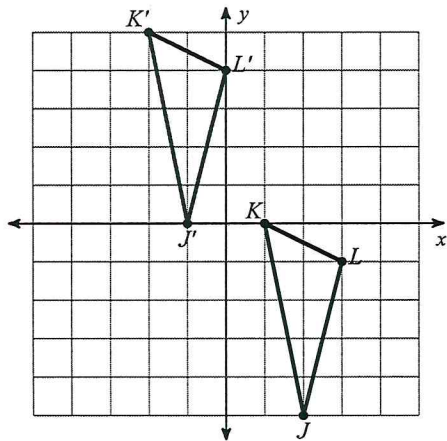


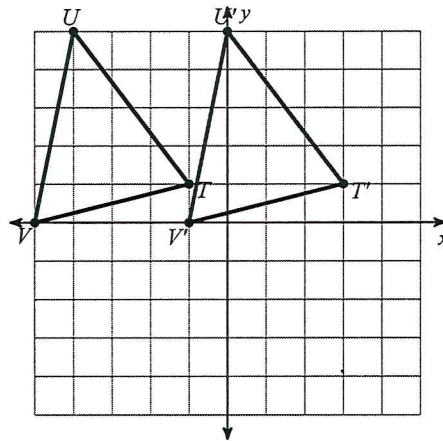
1.6 Translations & Reflections

Write a rule to describe each transformation.

1)

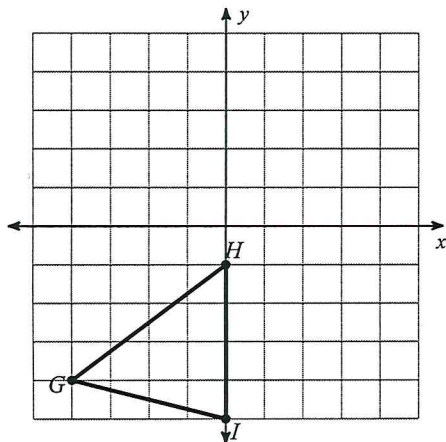


2)

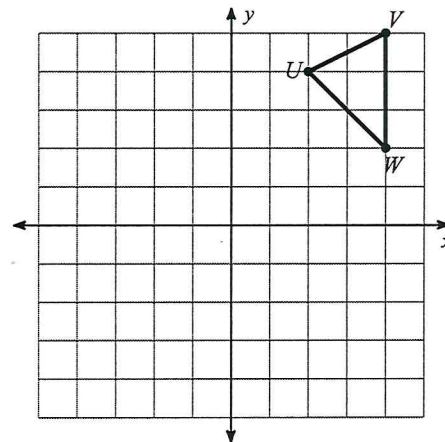


Graph the image of the figure using the transformation given.

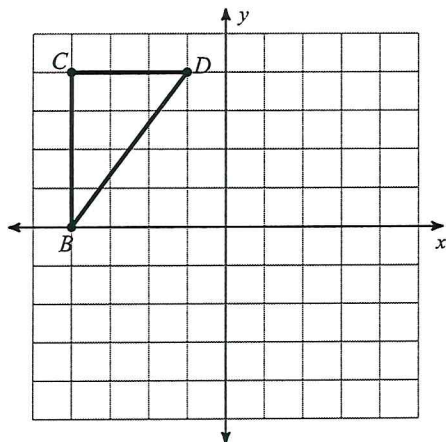
3) translation: $(x, y) \rightarrow (x + 3, y + 6)$



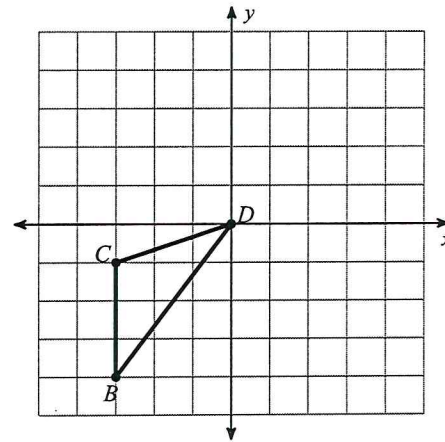
4) translation: $(x, y) \rightarrow (x, y - 2)$



5) translation: $(x, y) \rightarrow (x + 2, y - 4)$



6) translation: $(x, y) \rightarrow (x - 2, y + 5)$



Find the coordinates of the vertices of each figure after the given transformation.

7) translation: $(x, y) \rightarrow (x - 1, y + 1)$
 $M(-4, 2), L(-3, 4), K(-2, 1)$

8) translation: $(x, y) \rightarrow (x + 3, y - 5)$
 $G(-5, 1), F(-2, 4), E(-1, 2)$