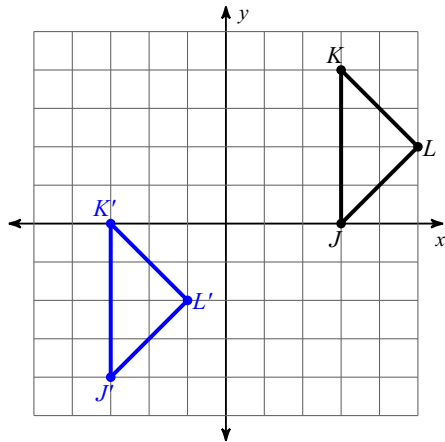## PRACTICE Quiz 9.1 Translations

**Write a rule to describe each transformation.**
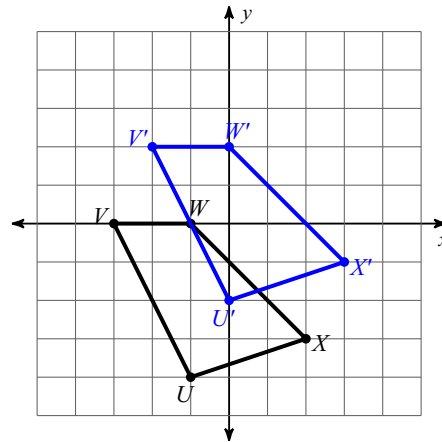
1) $T(1, 4)$ to $T'(2, -4)$
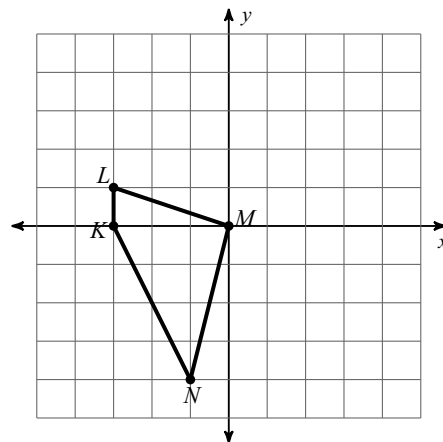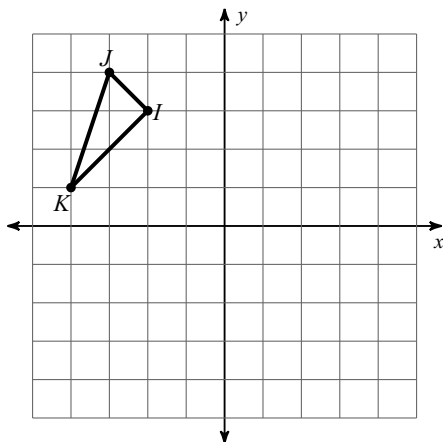
2) $G(1, -3)$ to $G'(4, 4)$

3)



4)



**Graph the image of the figure using the transformation given.**

5) translation: $(x, y) \rightarrow (x + 1, y - 4)$



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

Name_____

## PRACTICE Quiz 9.1 Translations

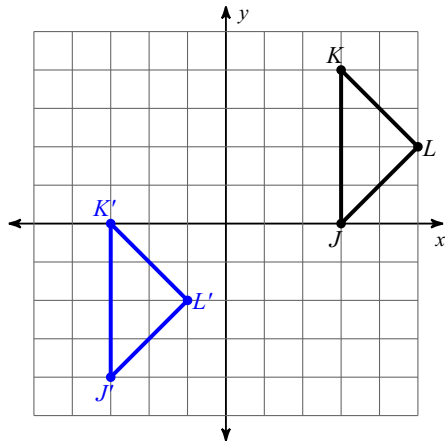**Write a rule to describe each transformation.**

1) $T(1, 4)$ to $T'(2, -4)$

   translation: $(x, y) \rightarrow (x + 1, y - 8)$

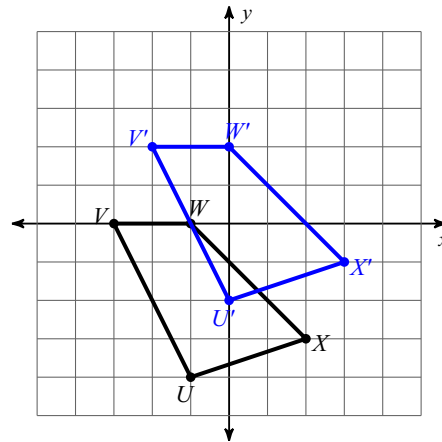2) $G(1, -3)$ to $G'(4, 4)$

   translation: $(x, y) \rightarrow (x + 3, y + 7)$

3)

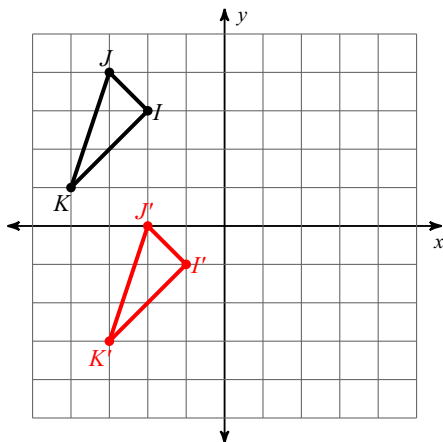   translation: $(x, y) \rightarrow (x - 6, y - 4)$

4)

   translation: $(x, y) \rightarrow (x + 1, y + 2)$

**Graph the image of the figure using the transformation given.**

5) translation: $(x, y) \rightarrow (x + 1, y - 4)$

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