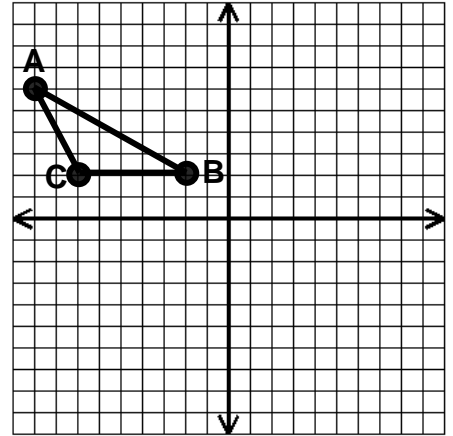


NAME _____ DATE _____ PER. _____

TRANSLATIONS

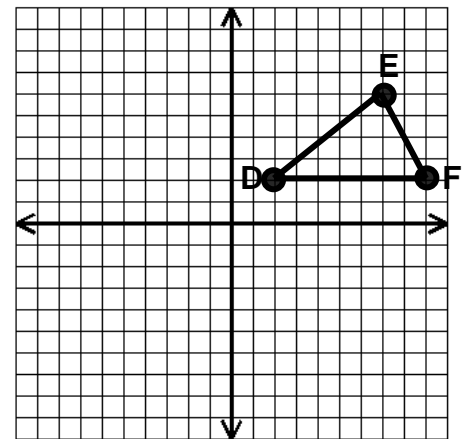
1. Answer the following questions using $\triangle ABC$

- a) What is the image of the point $A(2, 3)$ under the translation that shifts (x,y) to $(x + 3, y - 8)$?
- b) A translation moves B onto $B'(6, 5)$. What is the image of C under that same translation.



- 2. $D'(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$
- $E'(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$
- $F'(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$

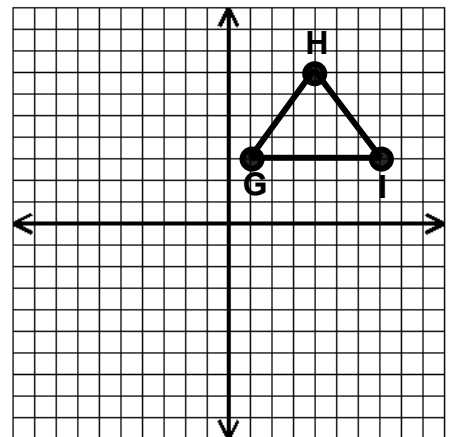
$(x - 6, y + 2)$



DRAW the indicated translation of each polygon below, state the new coordinates of each vertex.

- 3. $G'(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$
- $H'(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$
- $I'(\underline{\hspace{2cm}}, \underline{\hspace{2cm}})$

$(x - 2, y - 5)$



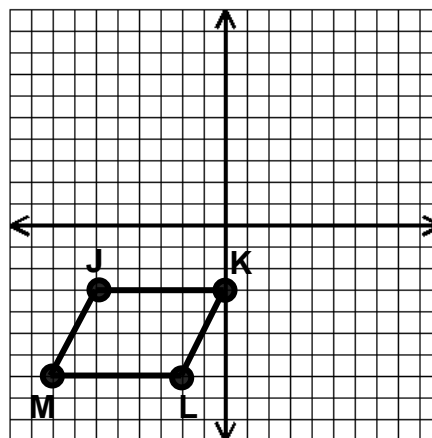
4. J' (_____, _____)

K' (_____, _____)

L' (_____, _____)

M' (_____, _____)

5 right, 6 up



Describe each translation as an ordered pair translation.

5. _____	A to B
6. _____	E to D
7. _____	B to C
8. _____	E to F
9. _____	G to B
10. _____	C to D

