

Translations Practice Worksheet

Name _____ Class Period _____

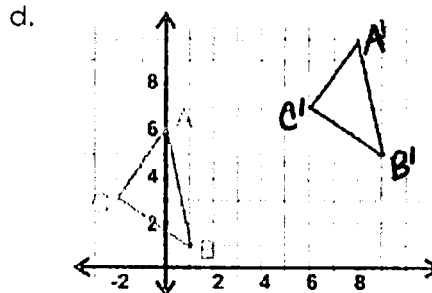
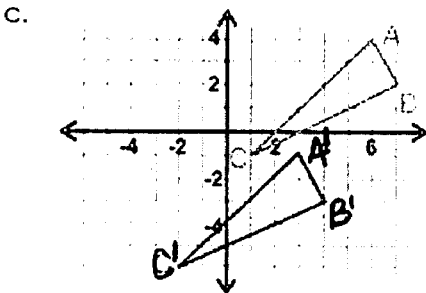
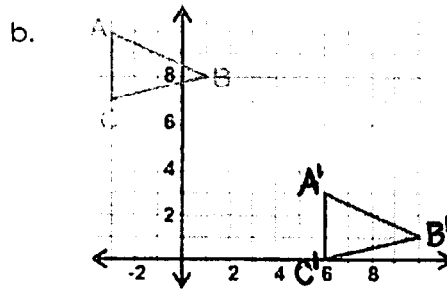
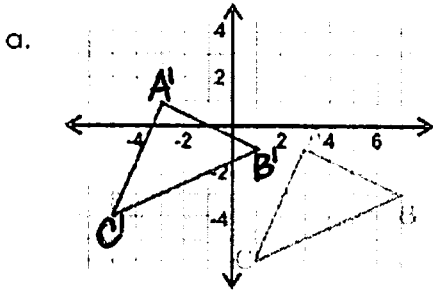
1. Use the translation $(x, y) \rightarrow (x + 5, y - 9)$ for questions a-e.

- a. What is the image of A (-6, 3)?
- b. What is the image of (4, 8)?
- c. What is the image of (5, -3)?
- d. What is the image of A' from #1, which would be called A''?
- e. What is the pre-image of D'(12, 7)?

2. The vertices of $\square ABC$ are A(-6, -7), B(-3, -1), and C(-5, 2). Find the vertices of $\triangle A'B'C'$, given the translation rules below.

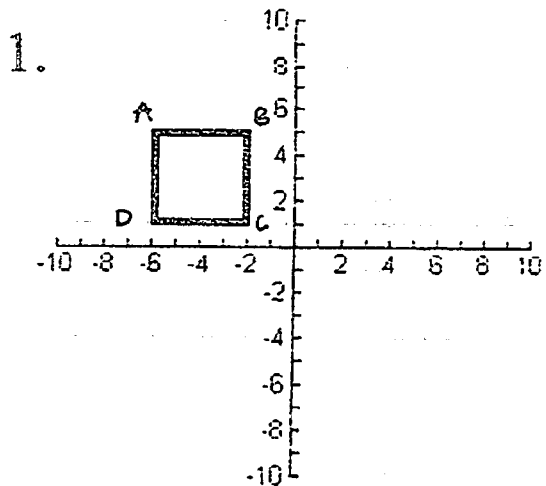
- a. $(x, y) \rightarrow (x - 2, y - 7)$
- b. $(x, y) \rightarrow (x + 11, y + 4)$
- c. $(x, y) \rightarrow (x, y - 3)$
- d. $(x, y) \rightarrow (x - 5, y + 8)$

3. $\triangle A'B'C'$ is the image of $\triangle ABC$. Write the translation rule.

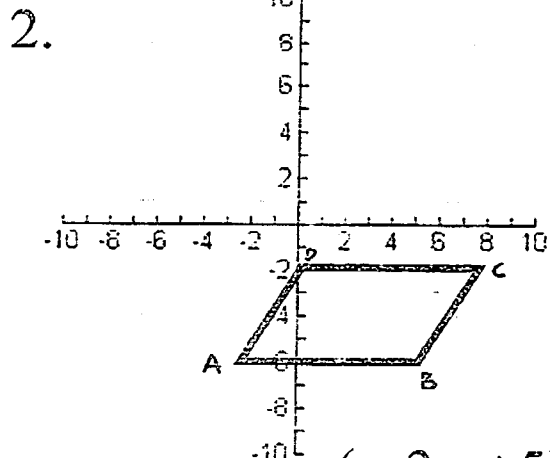


Translate each figure.

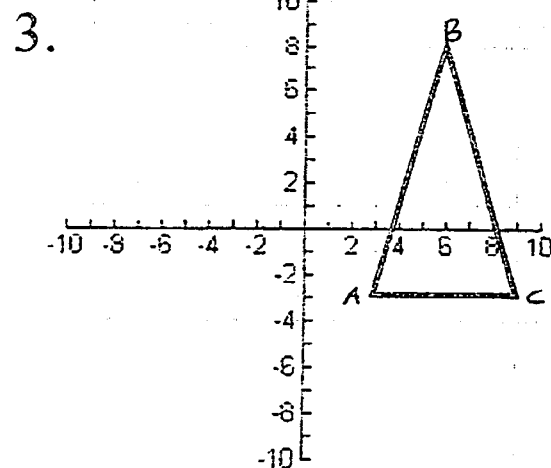
Name: _____



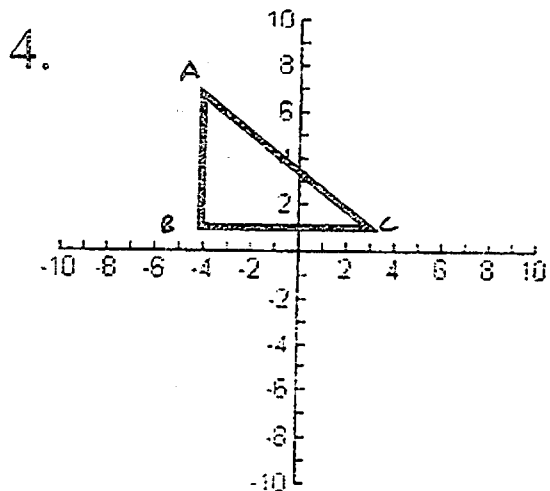
$(x, y) \rightarrow (x+6, y-2)$



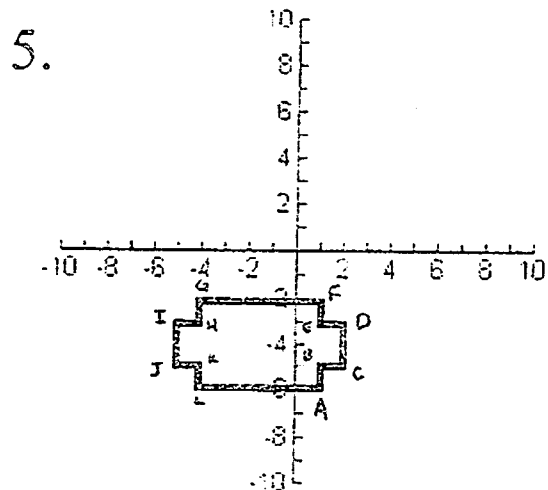
$(x, y) \rightarrow (x-3, y+5)$



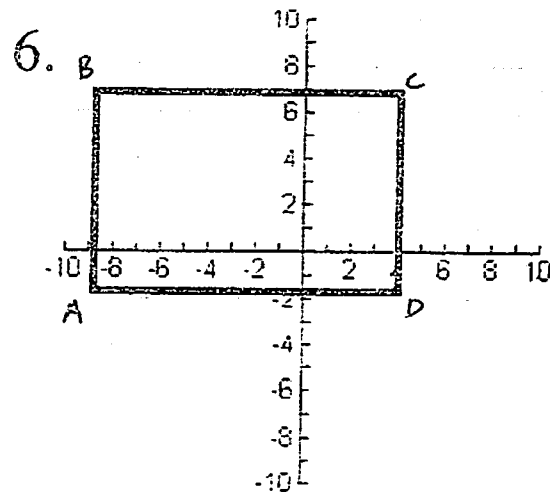
$(x, y) \rightarrow (x-8, y+0)$



$(x, y) \rightarrow (x+7, y-7)$



$(x, y) \rightarrow (x+5, y+10)$



$(x, y) \rightarrow (x+3, y-7)$