

Translations Practice Worksheet

Name: _____ Date: _____

1. Translate the image by $(x + 4, y - 6)$

$A(-2, 4) \rightarrow A' \underline{\hspace{2cm}}$

$B(0, -8) \rightarrow B' \underline{\hspace{2cm}}$

$C(-3, 5) \rightarrow C' \underline{\hspace{2cm}}$

2. Translate the image by $(3x - 1, y + 5)$

$D(1, 2) \rightarrow D' \underline{\hspace{2cm}}$

$E(-3, -5) \rightarrow E' \underline{\hspace{2cm}}$

$F(4, -1) \rightarrow F' \underline{\hspace{2cm}}$

3. Find the pre-image $(x - 9, y + 13)$

$G \underline{\hspace{2cm}} \rightarrow G'(5, -29)$

$H \underline{\hspace{2cm}} \rightarrow H'(20, -19)$

$I \underline{\hspace{2cm}} \rightarrow I'(21, -4)$

4. Find the pre-image $(x + 7, y - 19)$

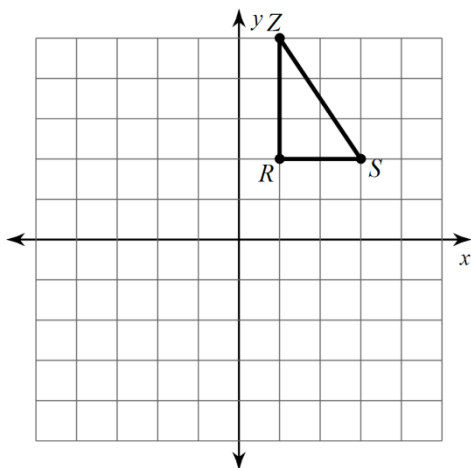
$G \underline{\hspace{2cm}} \rightarrow G'(2, 18)$

$H \underline{\hspace{2cm}} \rightarrow H'(13, 29)$

$I \underline{\hspace{2cm}} \rightarrow I'(24, 37)$

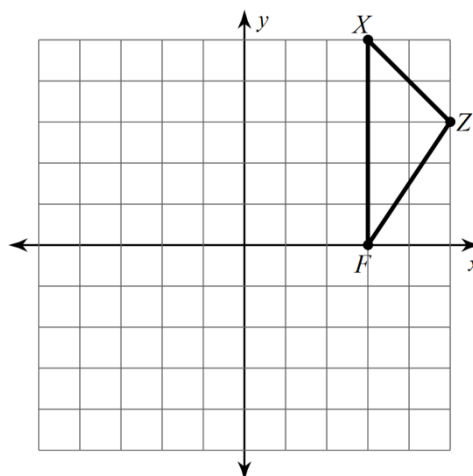
5. Translate the image.

translation: $(x, y) \rightarrow (x - 3, y - 5)$

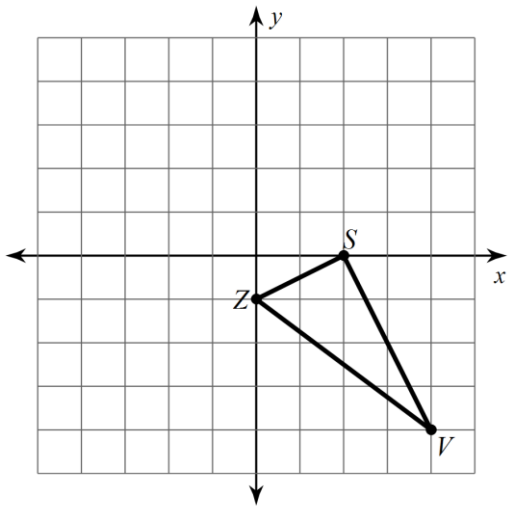


6. Translate the image.

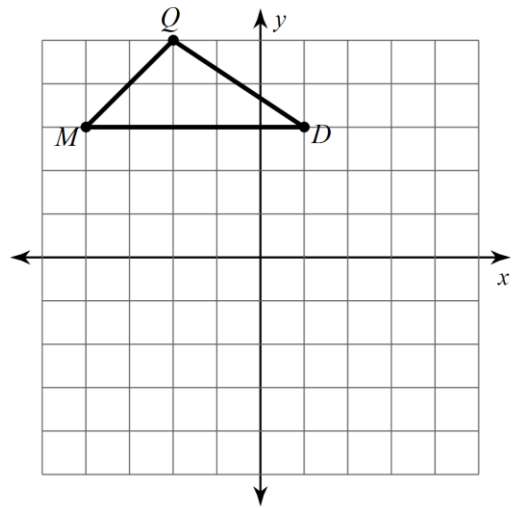
translation: $(x, y) \rightarrow (x - 2, y - 4)$



7. Translate the image.
translation: $(x, y) \rightarrow (x - 5, y + 1)$

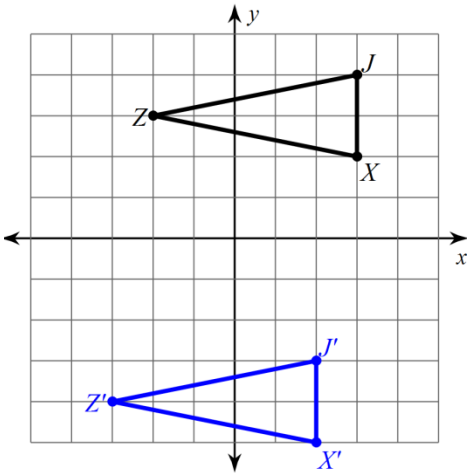


8. Translate the image.
translation: $(x, y) \rightarrow (x + 3, y - 4)$

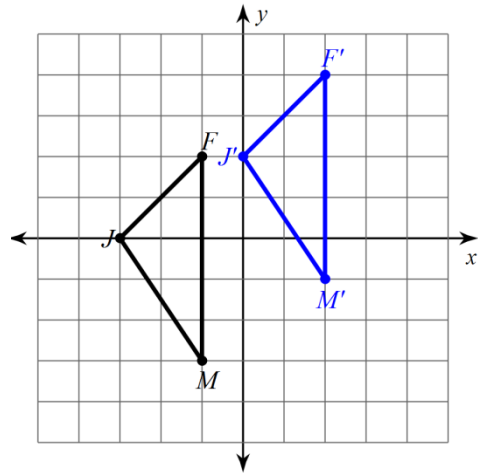


Write a rule for the given translation.

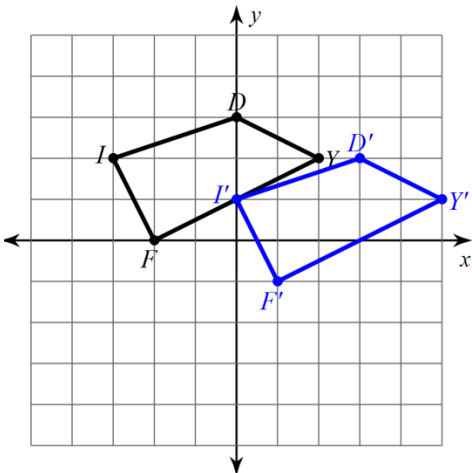
9.



10.



11.



12.

