

# TRANSLATIONS

NAME \_\_\_\_\_ Date \_\_\_\_\_ Due Date \_\_\_\_\_ Period \_\_\_\_\_

Directions: Graph and label the following points. Connect the points in alphabetical order to make a ~~hexagon~~  
*pentagon*.

A(2,2)      B(3,7)      C(7,8)      D(10,5)      E(6,1)

1. This figure is in Quadrant \_\_\_\_\_.
2. To move this figure into Quadrant II, the first number in the ordered pair to translate this figure needs to be : Positive    Negative. (Circle one.)
3. The first number in an ordered pair tells me to move \_\_\_\_\_ or \_\_\_\_\_.
4. The second number in an ordered pair tells me to move \_\_\_\_\_ or \_\_\_\_\_.
5. Complete a translation of  $(-13, 3)$  of the above figure (preimage). List the new ordered pairs. Be sure to label the points on the translated image.

A'(      )	B'(      )	C'(      )	D'(      )	E'(      )
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6. The image is now in Quadrant \_\_\_\_\_.
7. Go back to the preimage. Translate the preimage by  $(-15, -17)$  List the new ordered pairs. Be sure to label the points on the translated image.

A''(      )	B''(      )	C''(      )	D''(      )	E''(      )
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8. The image in number 7 is in Quadrant \_\_\_\_\_.
9. Go back to the preimage. Translate the preimage by  $(2, -12)$ . List the new ordered pairs. Be sure to label the points on the translated image.

A'''(      )	B'''(      )	C'''(      )	D'''(      )	E'''(      )
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10. The image is now in Quadrant \_\_\_\_\_.

# TRANSLATIONS

NAME \_\_\_\_\_ Date \_\_\_\_\_ Due Date \_\_\_\_\_ Period \_\_\_\_\_

Directions: Graph and label the following points. Connect the points in alphabetical order to make a decagon.

A(4,2)      B(5,7)      C(1,8)      D(4,10)      E(3, 14)      F(7,11)      G(11,12)      H(9,8)

I(11,3)      J(7,5)

1. This figure is in Quadrant \_\_\_\_\_.
2. To move this figure into Quadrant II, the first number in the ordered pair to translate this figure needs to be : Positive    Negative. (Circle one.)
3. The first number in an ordered pair tells me to move \_\_\_\_\_ or \_\_\_\_\_.
4. The second number in an ordered pair tells me to move \_\_\_\_\_ or \_\_\_\_\_.
5. Complete a translation of (-13, 3) of the above figure (preimage). List the new ordered pairs. Be sure to label the points on the translated image.

A'(      )	B'(      )	C'(      )	D'(      )	E'(      )
F'(      )	G'(      )	H'(      )	I'(      )	J'(      )

6. The image is now in Quadrant \_\_\_\_\_.
7. Go back to the preimage. Translate the preimage by (-15, -17) List the new ordered pairs. Be sure to label the points on the translated image.

A''(      )	B''(      )	C''(      )	D''(      )	E''(      )
F''(      )	G''(      )	H''(      )	I''(      )	J''(      )

8. The image in number 7 is in Quadrant \_\_\_\_\_.
9. Go back to the preimage. Translate the preimage by (2, -12). List the new ordered pairs. Be sure to label the points on the translated image.

A'''(      )	B'''(      )	C'''(      )	D'''(      )	E'''(      )
F'''(      )	G'''(      )	H'''(      )	I'''(      )	J'''(      )

10. The image is now in Quadrant \_\_\_\_\_.

