

Name _____ Date _____

Translations Translations

- 1) If point T was located at (4,6) and was moved -3 in the x-direction and -2 in the y-direction, at what coordinates will point T be located?

T' (,)

- 2) Translate point G located at (-4, 0) +5 in the x-direction and +3 in the y-direction.

G' (,)

- 3) A point was located at (-3,-2) and was located at (4,5) after it was translated. How many units was it translated in the x-direction and the y-direction?

x-direction _____ y-direction _____

- 4) If a point was located at (-4,5), how many units would it have to be translated in the x and y direction for the point to reach the origin?

x-direction _____ y-direction _____

- 5) If point L was located at the origin and was translated +8 in the x-direction and -5 in the y-direction, what would be the new coordinates of point L? L' (,)

- 6) Translate point R located at (-6, -8) -4 in the x-direction and -2 in the y-direction.

R' (,)

- 7) Translate point D located at (6, -8) -7 in the x-direction and +5 in the y-direction.

D' (,)

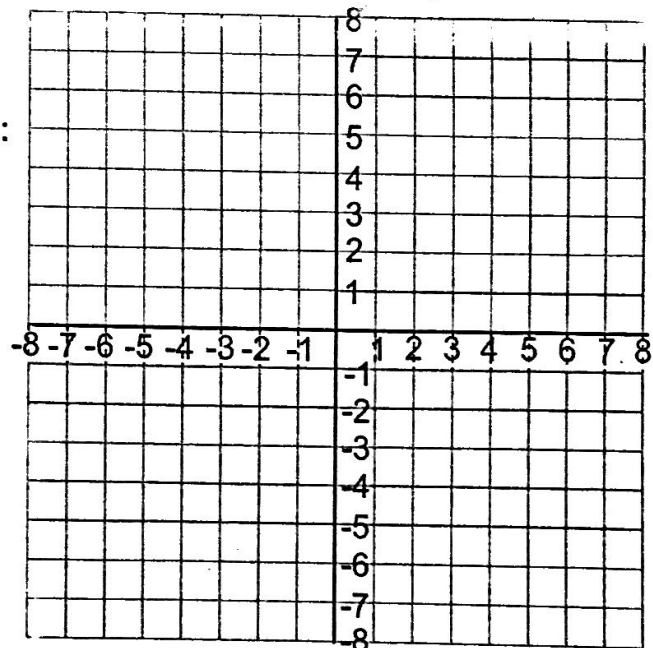
- 8) Plot and label the following coordinates:

A (-5,1) B(-5,3) C (-1,3) D(-1,1)

- 9) Translate the object you plotted in the previous problem +6 in the x-direction and -4 in the y-direction.

A' (,) B' (,) C' (,) D' (,)

- 10) What area of the figure you plotted in number 8? _____



Translation Practice

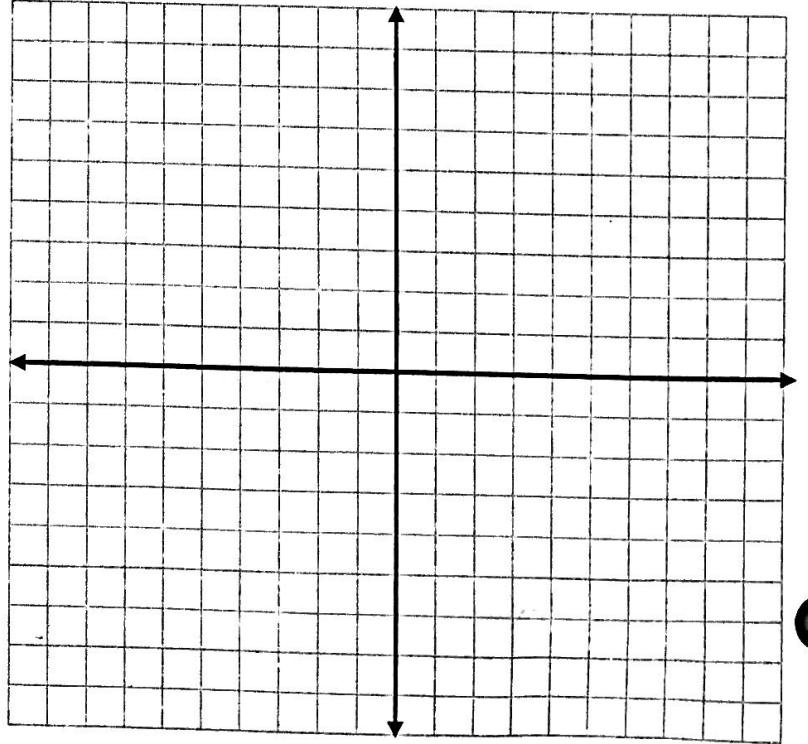
Name _____
 Date _____
 Period _____

- Plot the coordinates given for each pre-image.
- Translate the figure as instructed.
- Draw the image on the coordinate plane.
- List the coordinates of the new image.
- Describe what happened to both the x and y

1. *Slide the triangle 5 units left and 3 units up*

A (3, 7) → A' (,)
 B (3, 2) → B' (,)
 C (7, 2) → C' (,)

(x _____, y _____)



2. *Translate the parallelogram 10 units left and 2 units down*

H (3, -2) → H' (,)
 I (1, -5) → I' (,)
 J (6, -5) → J' (,)
 K (8, -2) → K' (,)

(x _____, y _____)

