

# 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' ( , )

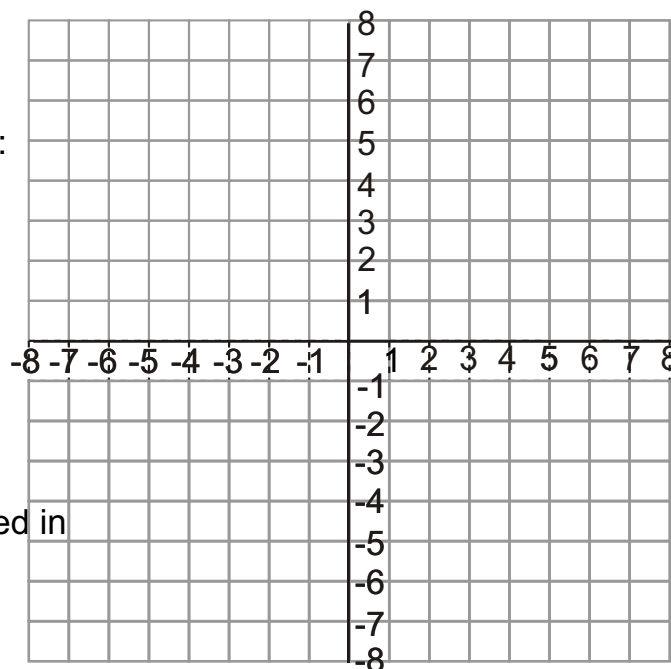
8) Plot and label the following coordinates:

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 is the area of the figure you plotted in number 8? \_\_\_\_\_



# 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' ( **1, 4** )

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

G' ( **1, 3** )

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       **+7**       y-direction       **+7**      

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       **+4**       y-direction       **-5**      

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' ( **8, -5** )

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

R' ( **-10, -10** )

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

D' ( **-1, -3** )

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'( 1,-3) B'( 1,-1) C'( 5, -1) D'(5, -3)**

10) What area of the figure you plotted in number 8? **8 square units.**

