

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.

