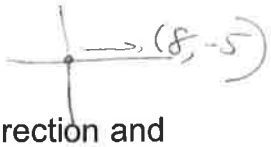
Translations Translations

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***)

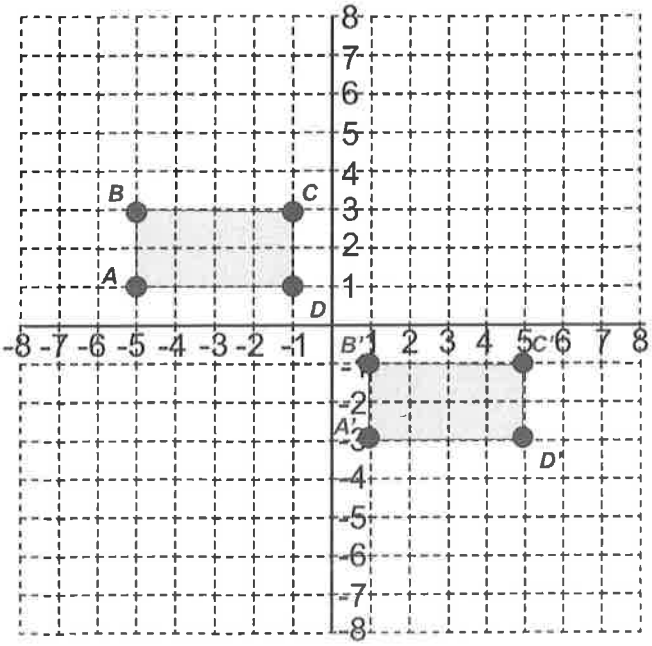
6) Translate point R located at (-6, -8) -4 in the x-direction and -2 in the y-direction.
R' (***-10 , -10***)

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.***



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