

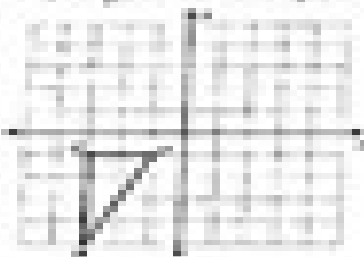
2) **Translations in the Plane**

Exercise 1

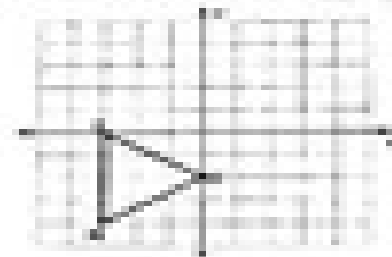
1) **Translation**

Draw the image of the figure using the transformation given.

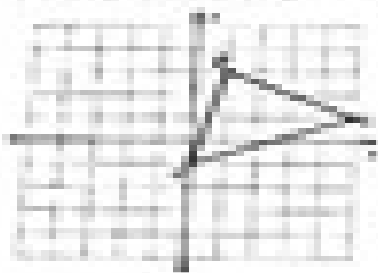
a)  $(x, y) \rightarrow (x+2, y+1)$



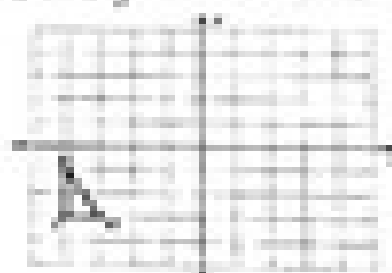
b)  $(x, y) \rightarrow (x-1, y+2)$



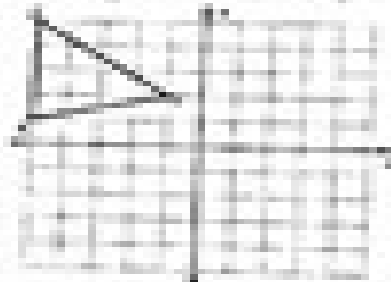
c)  $(x, y) \rightarrow (x, y-1)$



d)  $(x, y) \rightarrow (x+5, y+2)$



e)  $(x, y) \rightarrow (x+4, y-4)$



f)  $(x+2, y+3)$

