

For the points  $A(0,0)$ ,  $B(-4,-3)$  and  $C(-2,1)$ , give the points of the image when they are:

1. Translated given the component  $\langle 3, -3 \rangle$ .
2. Reflected over the line  $y = -x$ .
3. Reflected over the  $x$  - axis.