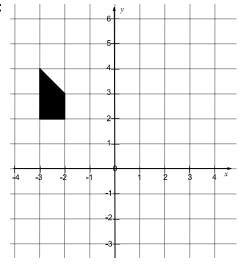
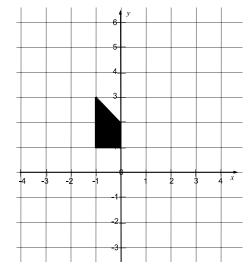
Figure to Figure

1. The figure below is transformed to give a new image:

Before:



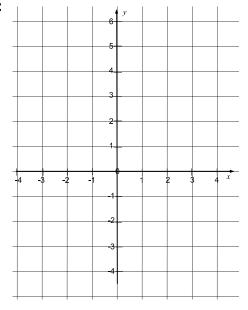
After:



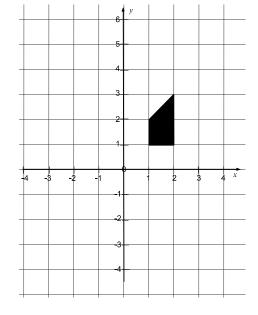
Describe in words a single transformation that maps the original figure to the new image.

2. A figure is reflected over the line y = -1 to give the image below. Complete on the blank grid the position of the original figure before the transformation:

Before:

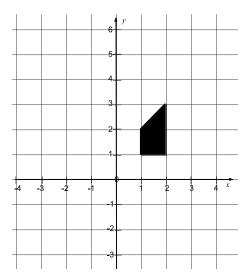


After:

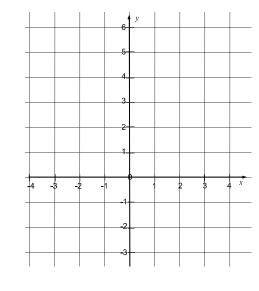


3. The figure below is rotated through 90° clockwise around (0,0):

Before:



After:



Complete on the blank grid the image after the transformation and describe the effect of the transformation on (x,y):

$$(x,y) \rightarrow (\underline{\hspace{1cm}},\underline{\hspace{1cm}})$$

Explain your answer:
