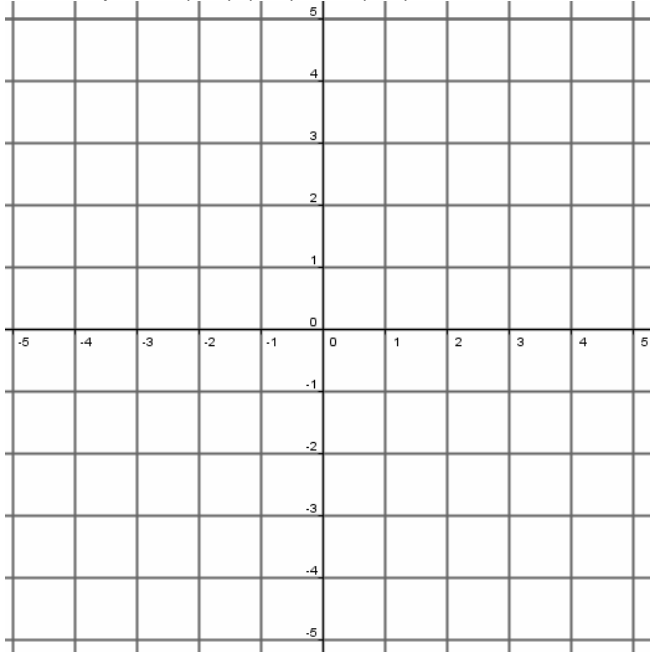


Plot the points (1,1) (2,1) and (1,2) and connect the dots to make a polygon



Label your Shape A and carry out the transformations

Translate A by the vector given below and label the shape B

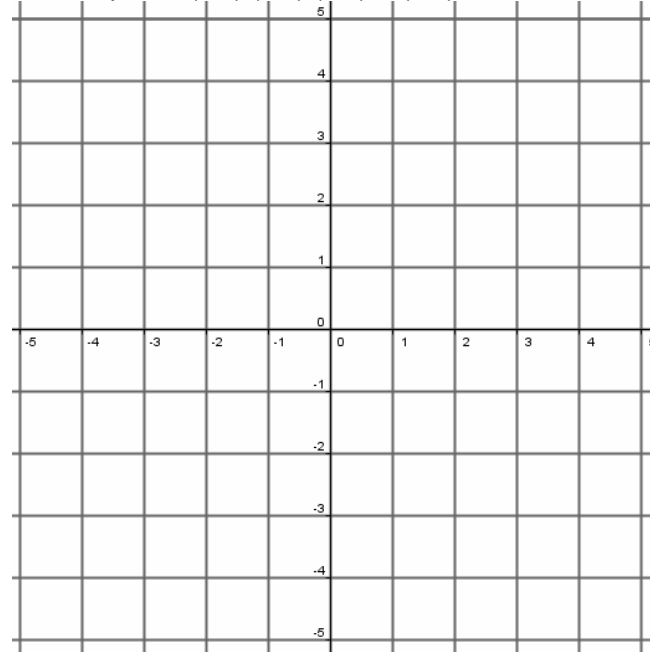
$$\begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

Rotate A 180° clockwise around the origin (0,0) label the new shape C

Enlarge shape A by a scale factor of 2 and label it D

Reflect A in the x axis and label the shape E

Plot the points (0,0) (1,1) (0,1) & (1,0) and connect the dots



Label your Shape A and carry out the transformations

Translate A by the vector given below and label the shape B

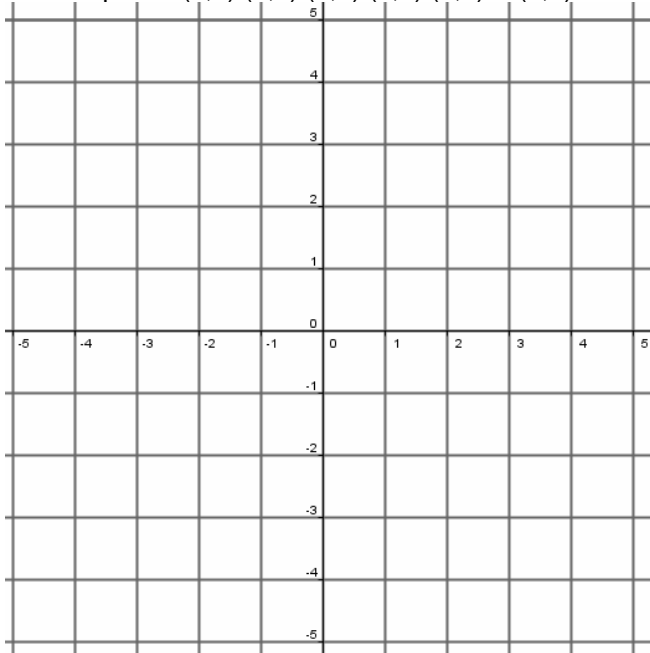
$$\begin{pmatrix} -4 \\ 2 \end{pmatrix}$$

Rotate A 270° anticlockwise around the point (0,-1) label the new shape C

Enlarge shape A by a scale factor of 3 and label it D

Reflect A in the y = 1 and label the shape E

Plot the points (1,1) (1,3) (2,3) (2,2) (3,2) & (3,1) and connect the dots



Label your Shape A and carry out the transformations

Translate A by the vector given below and label the shape B

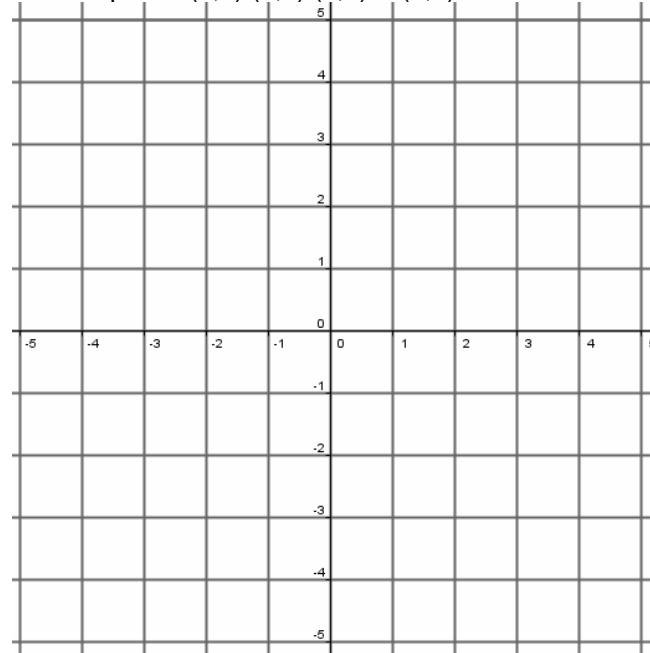
$$\begin{pmatrix} -1 \\ -1 \end{pmatrix}$$

Rotate A 90° anticlockwise around the point (1,0) label the new shape C

Enlarge shape A by a scale factor of 2 and label it D

Reflect A in the y axis and label the shape E

Plot the points (1,3) (1,1) (2,1) & (2,3) and connect the dots



Label your Shape A and carry out the transformations

Translate A by the vector given below and label the shape B

$$\begin{pmatrix} 1 \\ -2 \end{pmatrix}$$

Rotate A 90° clockwise around the point (-1,1) label the new shape C

Enlarge shape A by a scale factor of 1 and label it D

Reflect A in the x = 1 and label the shape E