

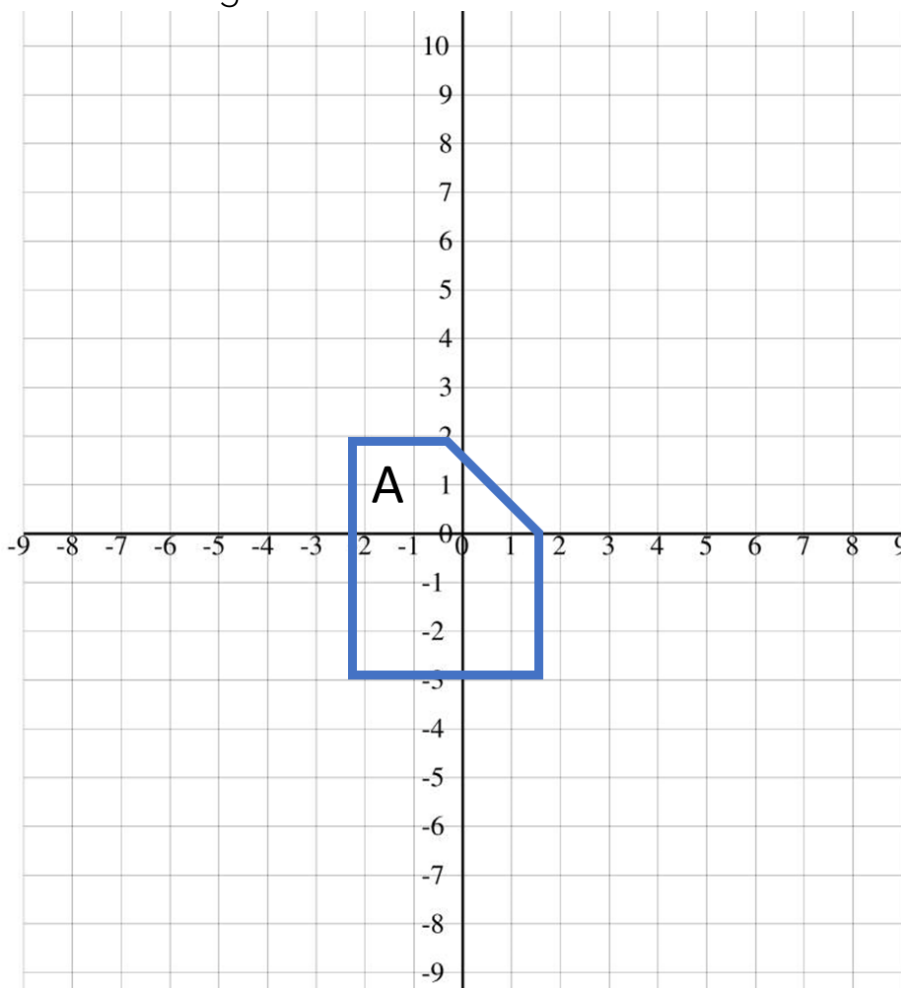
Combinations of Transformations

Worksheet

1) On the grid below:

a) Translate A by $\begin{pmatrix} -4 \\ -3 \end{pmatrix}$ and label your image B.

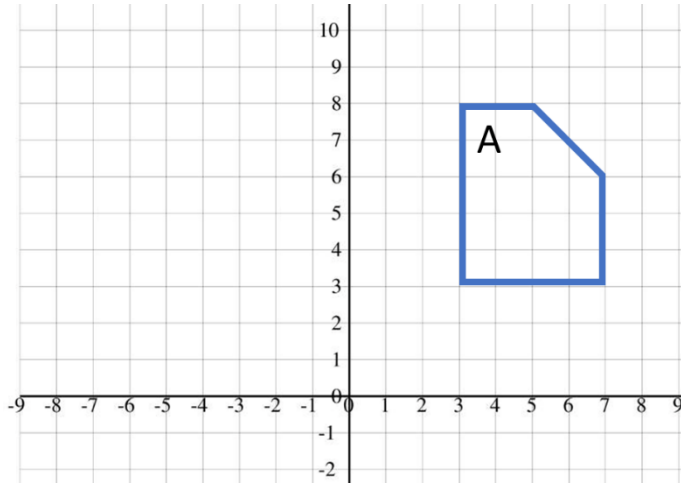
b) Then, enlarge B by scale factor 2, from the centre of enlargement $(-7, -8)$, and label the image C.



2) On the grid below:

a) Reflect A in the y-axis and label your image B.

b) Then, rotate B 90° clockwise about the point $(-7,3)$. Label the image C.



3) On the grid below:

a) Rotate A through 180° about the point $(-1,-1)$. Label the image B.

b) Then, translate B by $\begin{pmatrix} -4 \\ -3 \end{pmatrix}$ and label your image C.

c) Describe fully the translation that maps A onto C.

