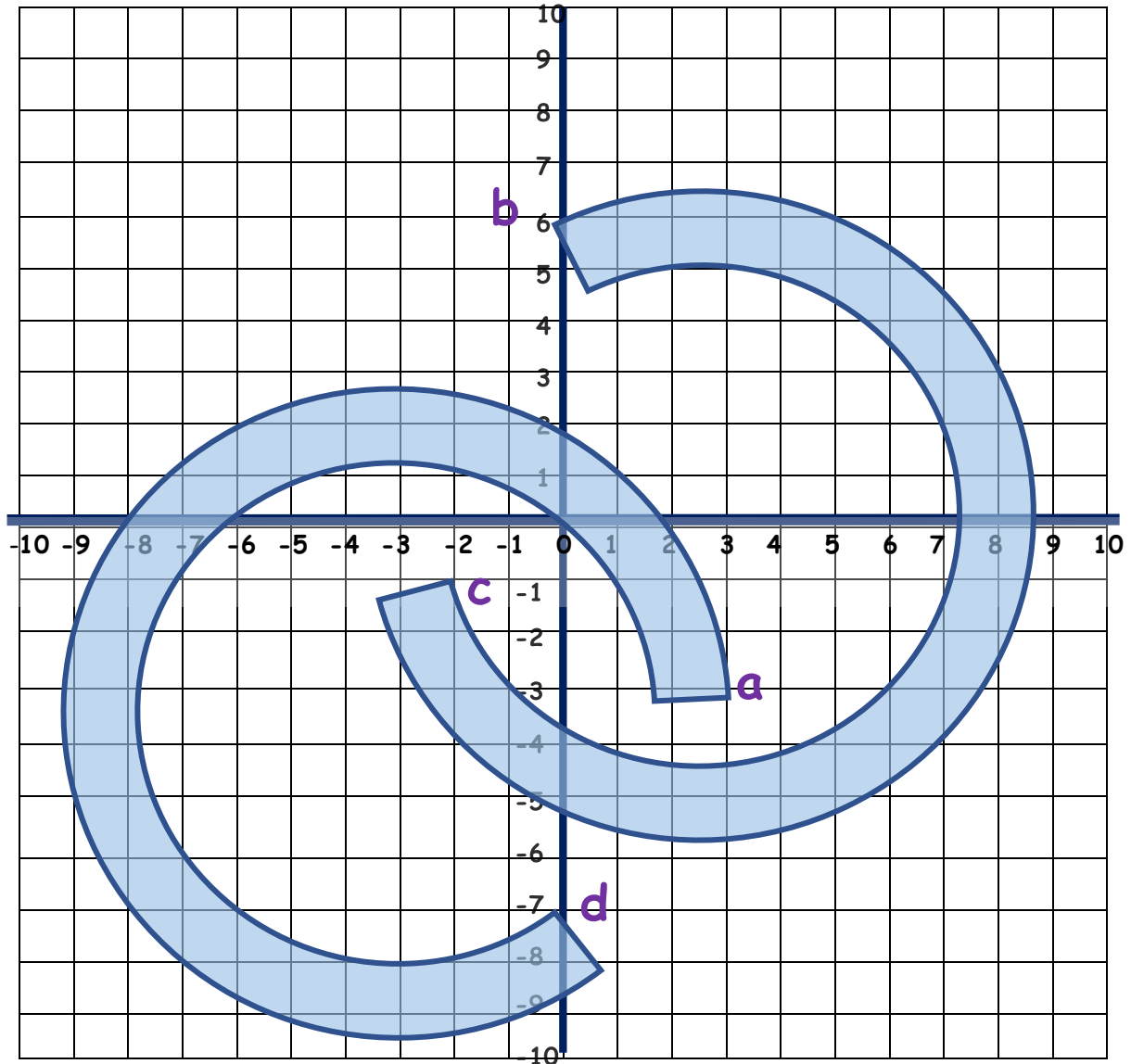




1) Look at the 4-quadrant grid below.



a) Write the coordinates for vertex A

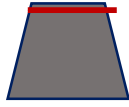
3, -3

b) Write the coordinates for vertex D

0, -7

2) Look at the information below. Place each object in the correct position on the grid below.

volcano



-6, 4

stream



4, -6

tree



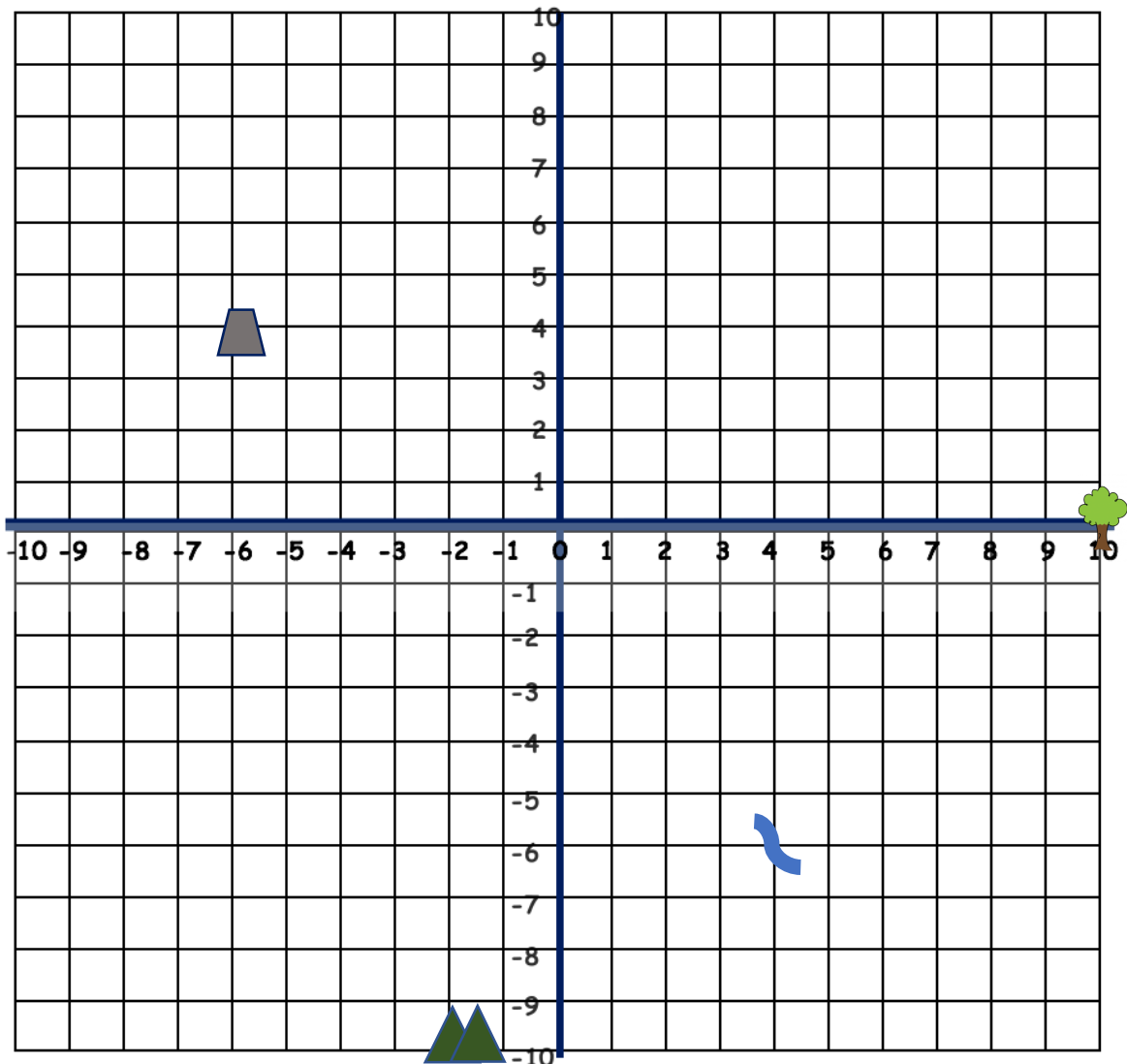
10, 0

mountains



-2, -10

Ensure that the children place the symbols on the lines rather than inside the boxes as each number is on a line on both the y and the x axis.



3) Complete each shape below and write the missing coordinates

a) Square: $(-4, 0)$ $(0, 0)$

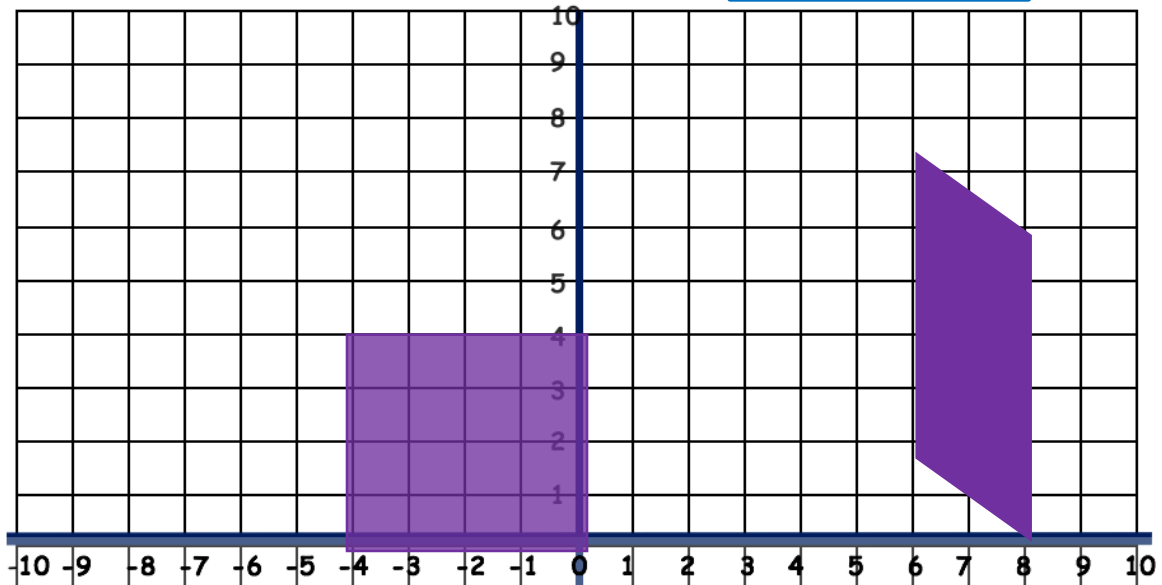
$0, 4$

$-4, 4$

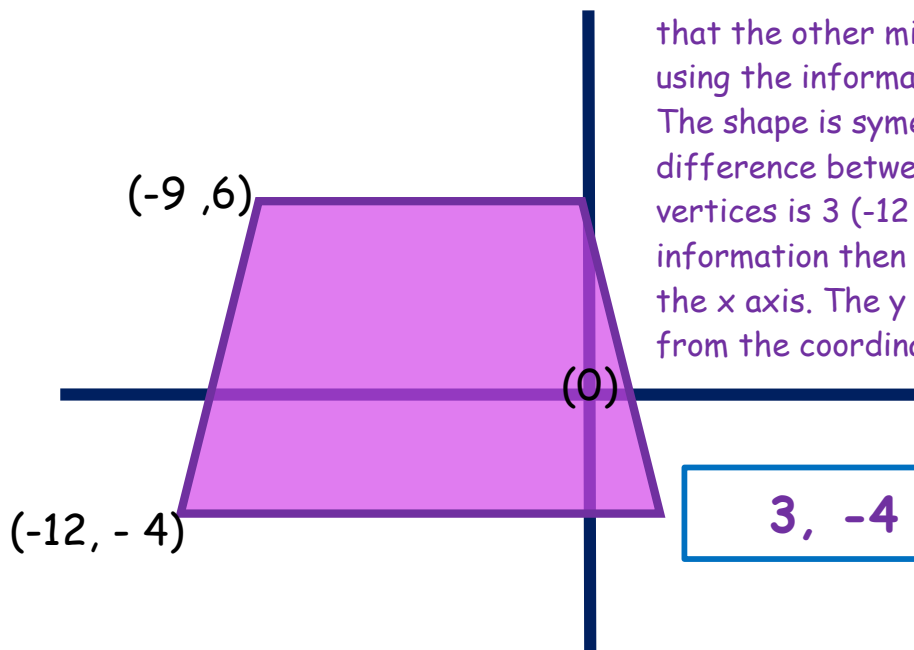
Children should use knowledge of equal length sides to work out the coordinates.

b) Parallelogram $(8, 6)$ $(6, 7)$ $(6, 2)$

$8, 0$



4) Look at the image below of a trapezium. Use the coordinates given to work out the missing coordinate.

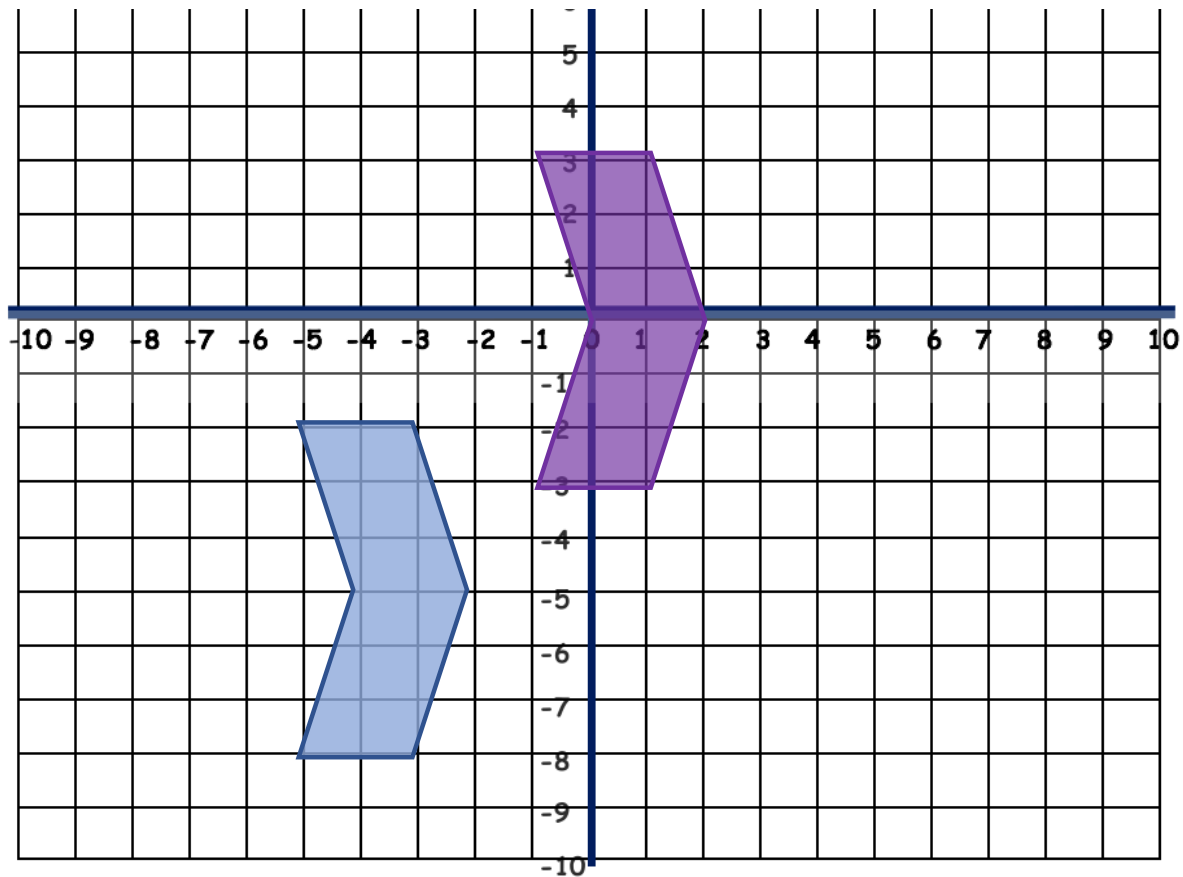


The children should have worked out that the other missing coordinate is $0, 6$ using the information from the image. The shape is symmetrical, therefore the difference between the other 2 vertices is 3 (-12 and -9). This information then should help to add 3 to the x axis. The y axis can be worked out from the coordinate $(-12, 4)$.

$3, -4$

5) Translate the hexagon below 5 squares up and 4 squares to the right.

Ensure that the children have read the question carefully for instructions and have translated this shape not reflected it. The children should also ensure that the coordinates are accurate when recording.



Write the coordinates of each vertex in their new positions.

-1, -3

1, -3

2, 0

1, 3

-1, 3

0, 0

6) Reflect the rectangle in the y axis and then the x axis.

