

Draw this polygon on the grid:

(3,1) (5,1) (5,2) (4,2) (4,4) (1,4) What is it called?

Mark the parallel sides with arrows.

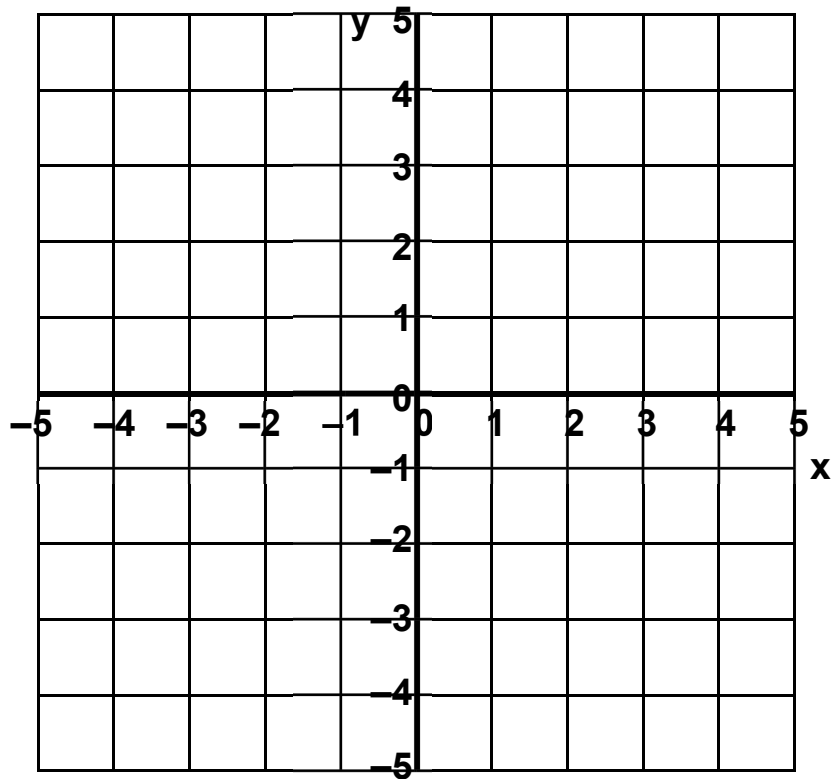
Reflect the shape in the y-axis. Write down the co-ordinates of the reflection.

(,) (,) (,) (,) (,) (,)

Now reflect the first shape in the x-axis. Write down the co-ordinates of this reflection.

(,) (,) (,) (,) (,) (,)

What do you notice about the co-ordinates?



Draw this shape on the grid:

(0,0) (2,2) (4,2) (4,4) (2,4) (2,2)

Mark the parallel sides with arrows.

Reflect the shape in the y-axis. Write down the co-ordinates of the reflection.

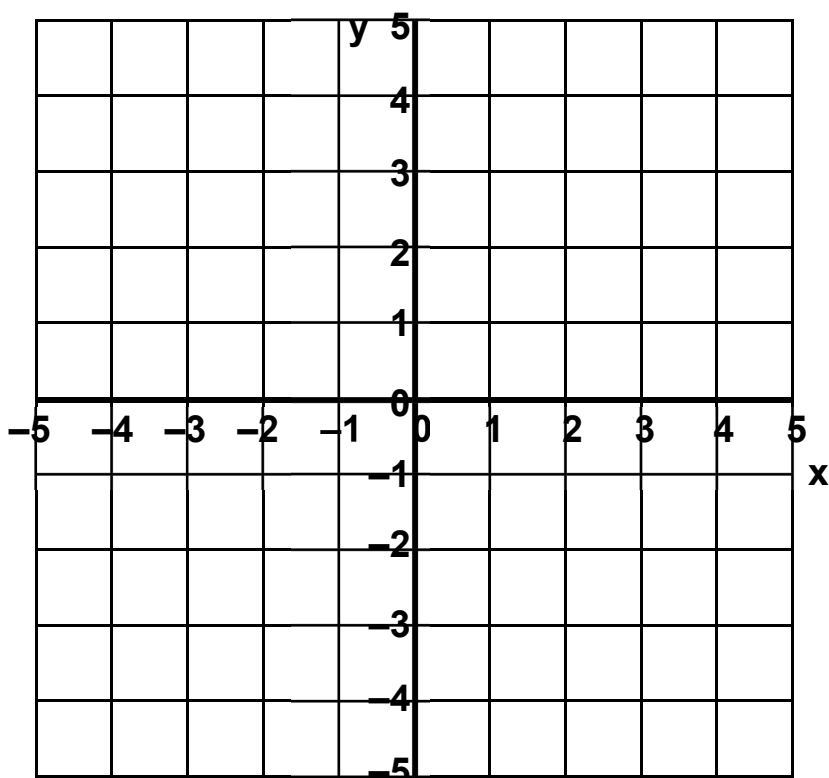
(,) (,) (,) (,) (,) (,)

Now reflect the first shape in the x-axis. Write down the co-ordinates of this reflection.

(,) (,) (,) (,) (,) (,)

What do you notice about the co-ordinates?

Can you complete the pattern in all four quadrants? What do you need to do?



Draw this shape on the grid:

(2,0) (3,0) (3,-1) (4,-1) (4,-4) (1,-4) (1,-3) (0,-3) (0,-2) (1,-2) (1,-1)
(2,-1) (2,0)

Reflect the shape in the x-axis. Write down the co-ordinates of the reflection.

(,) (,) (,) (,) (,) (,) (,)
(,) (,) (,) (,) (,) (,)

Now reflect the first shape in the y-axis. Write down the co-ordinates of this reflection.

(,) (,) (,) (,) (,) (,) (,)
(,) (,) (,) (,) (,) (,)

Can you complete the pattern in all four quadrants? What do you need to do?