

Position and direction

A

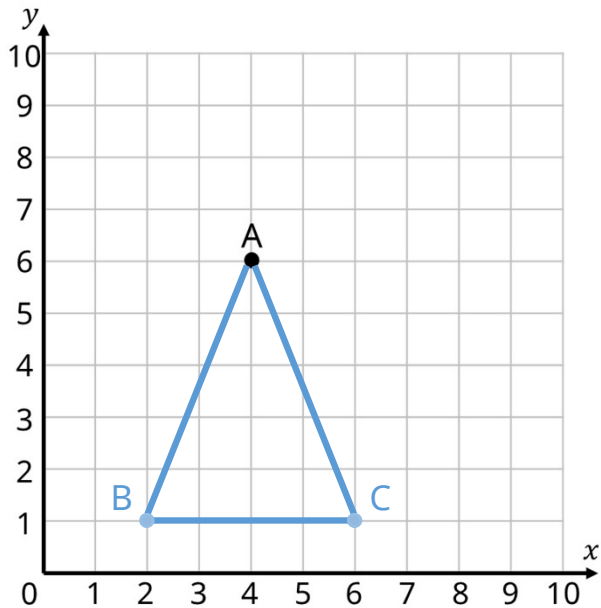
Name _____

1 Write down the co-ordinates of point A.

(4 , 6)



Plot points B (2, 1) and C (6, 1) on the grid.

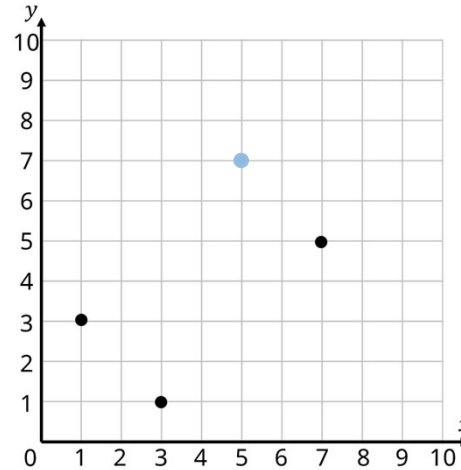


Join up the 3 points to make a triangle.
What type of triangle have you drawn?

Isosceles



2 Teddy is drawing a rectangle on the grid.



Plot the final vertex of the rectangle on the grid.

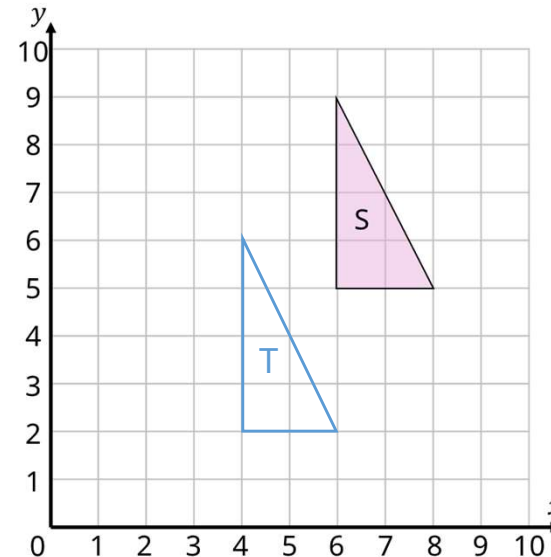


What are the co-ordinates of the final vertex?

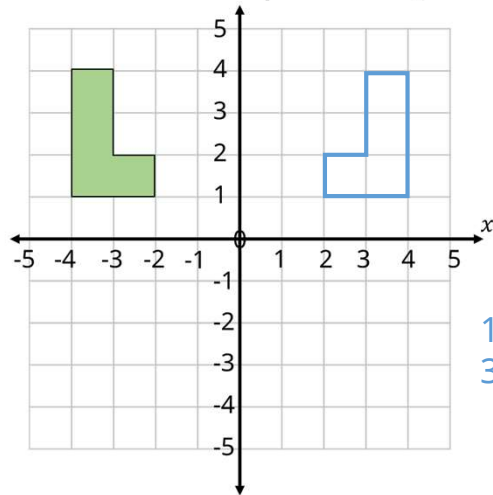
(5 , 7)



3 Translate triangle S 2 left and 3 down.
Label your triangle T.

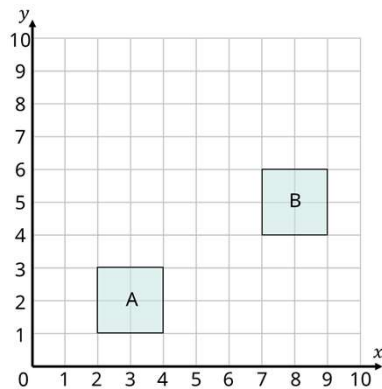


- 4 Reflect the shape in the y axis.



1 mark for reflecting 3 vertices accurately.

- 5 Eva translates shape A 3 right and 1 up. She labels her new shape B.



Explain why Eva's translation is wrong.

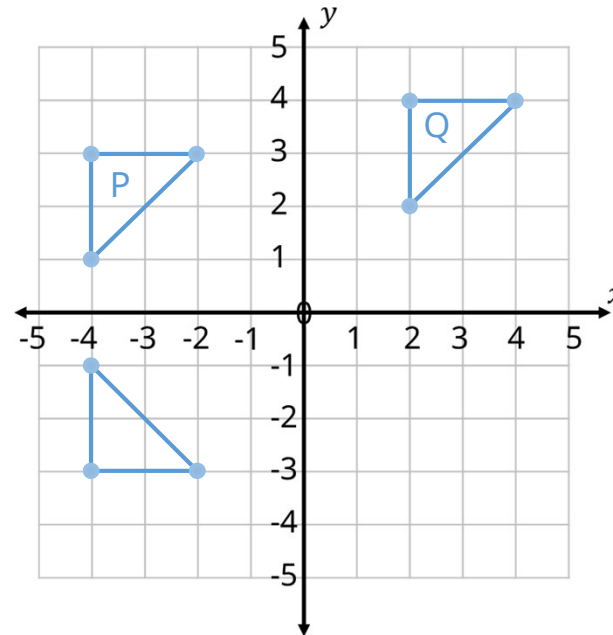
E.g. Eva has translated shape A 5 right and 3 up instead of 3 right and 1 up.

What are the co-ordinates of the correctly translated shape?

1 mark for 2 correct.

(5 , 2) (5 , 4) (7 , 2) (7 , 4)

- 6 On the grid, draw a shape with vertices at $(-2, -3)$ $(-4, -3)$ and $(-4, -1)$



Reflect the shape in the x axis. 1 mark for reflecting 2 vertices accurately. Label your new shape P.

Translate P 6 right and 1 up. 1 mark for translating 2 vertices accurately. Label your new shape Q.

- 7 A square is drawn on a cm grid. Three of its vertices are $(3, 3)$, $(3, 7)$ and $(7, 7)$

What is the perimeter of the square?

1 mark for attempting to show or multiply 4cm by 4

16 cm

1 mark

2 marks

2 marks

2 marks

1 mark

2 marks

2 marks