White Rose Maths

Name _____

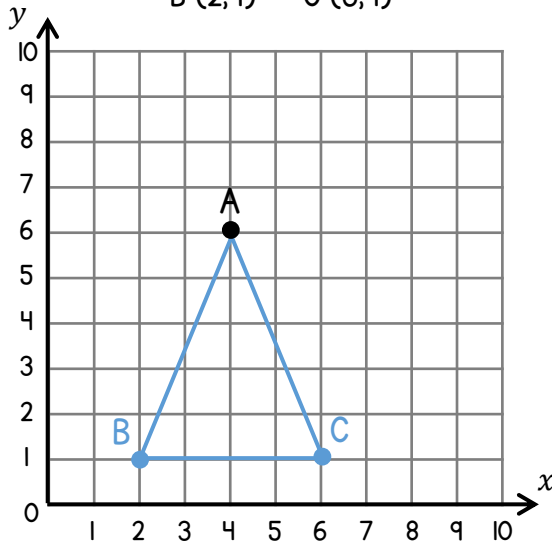**1** Write down the coordinates of point A.

(4 , 6)

1 mark

2 marks

Plot the points B and C on the grid.

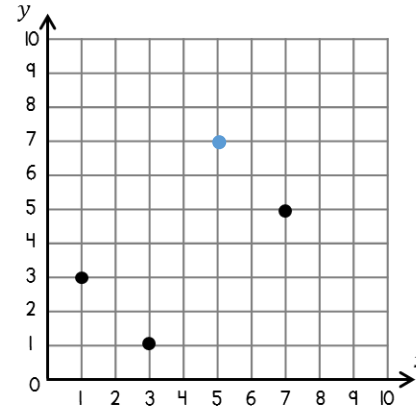B (2, 1)   C (6, 1)

Join up the 3 points to make a triangle.

What type of triangle have you drawn?

Isosceles

1 mark

2 Teddy is drawing a rectangle on a grid.

Plot the final vertex of the rectangle.

1 mark

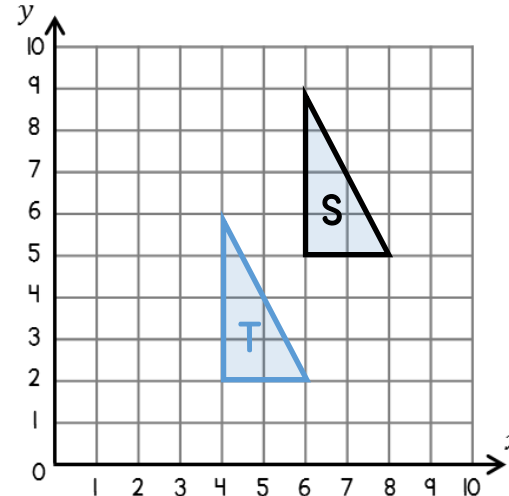What are the coordinates of the final vertex?

(5 , 7)

1 mark

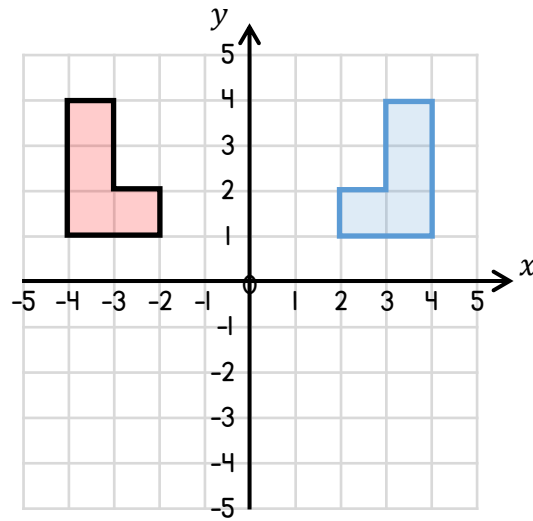**3** Translate triangle S, 2 left and 3 down.

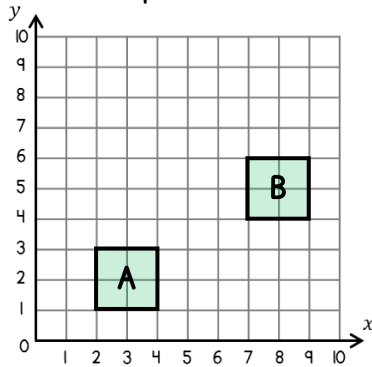Label your triangle T.

1 mark for 2 left,
1 mark for 3 down.

2 marks

4 Reflect the shape in the y axis.

2 marks

5 Eva translates shape A, 3 right and I up.
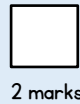She labels her new shape B.

Explain why Eva is wrong.

She has counted 3 across I up but then drawn the rest of
the shape incorrectly.

What are the coordinates of the correctly translated shape?
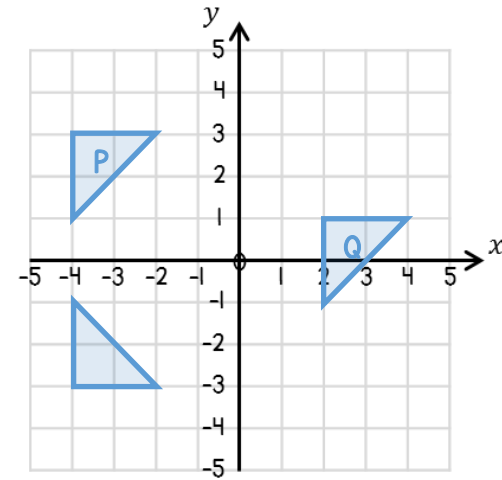
(5 , 2) (7 , 2) (5 , 4) (7 , 4)

I mark

2 marks

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

I mark

Reflect the shape in the x axis, label your shape P.

I mark for correctly reflected shape in wrong position.

Translate shape P, 6 right and 2 down.
Label your new shape Q.   Ft I mark for correct translation of their P

2 marks

2 marks

7 A square is drawn on a grid.
Two of its vertices are at (3,3) and (7,7)
What is the perimeter of the square?

I mark for correct side length of 4

16 units

2 marks

Circle how confident you feel with position & direction.

1	2	3	4	5
Not confident				Very confident