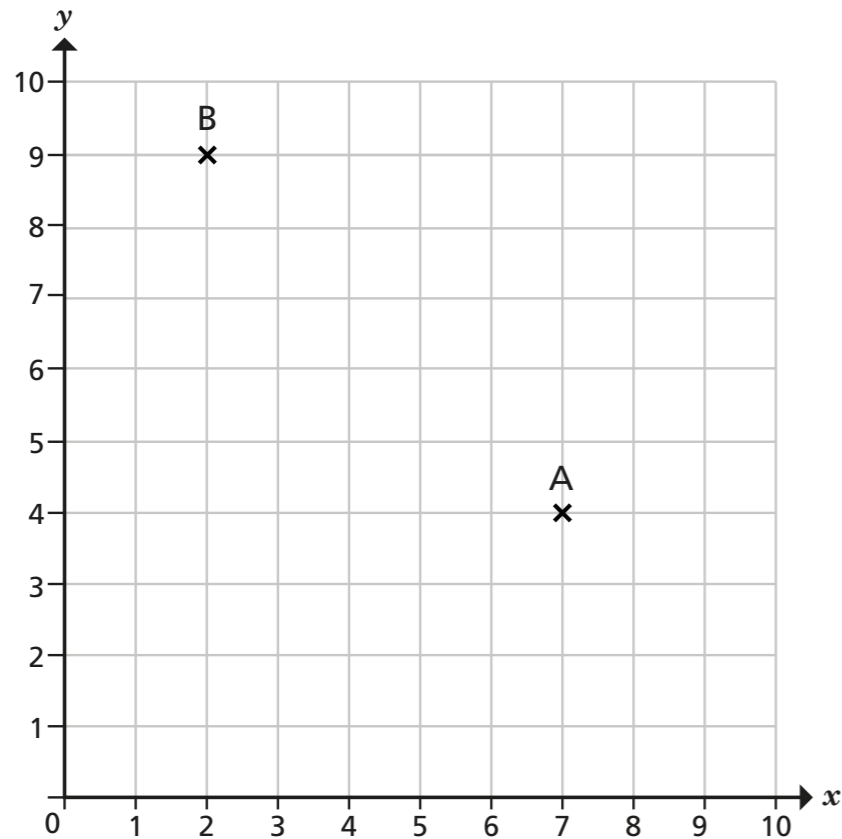
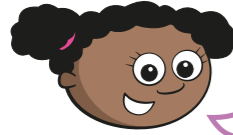


Position in the first quadrant

1 Two points have been plotted on the coordinate grid.




a) Whitney and Jack are working out the coordinates of point A.



Whitney

The coordinates of point A are (7, 4).



Jack

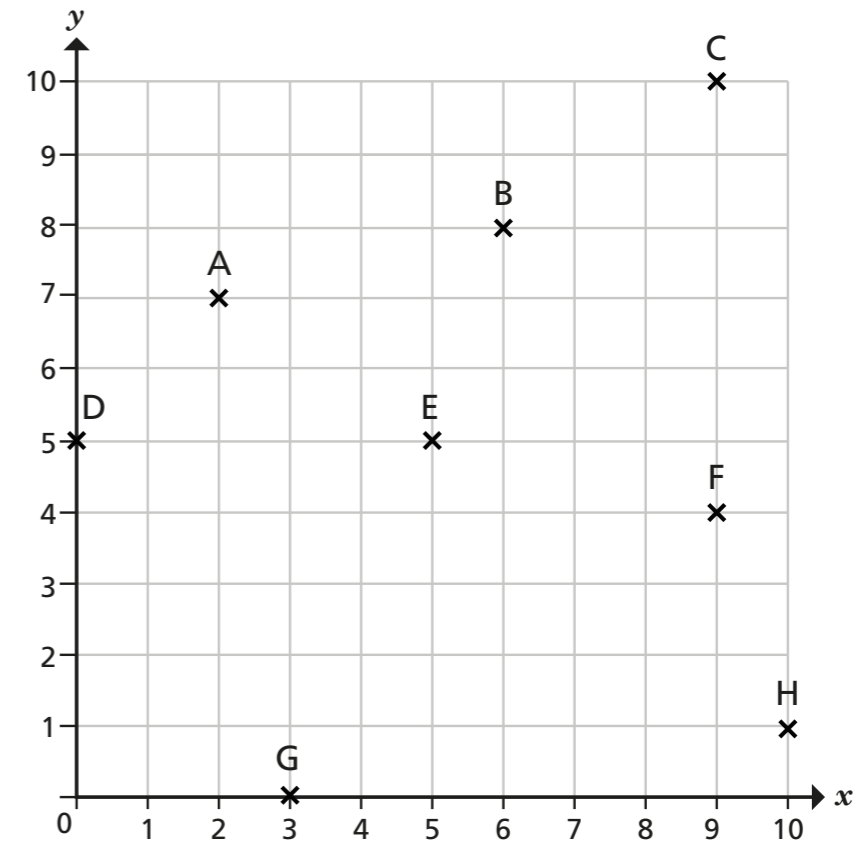
The coordinates of point A are (4, 7).

Who do you agree with? _____

Talk about it with a partner.

b) Write the coordinates of point B. (,)

2 Eight points have been plotted on the coordinate grid.



a) Write the coordinates of each point.

- | | |
|---|---|
| A (<input type="text"/> , <input type="text"/>) | E (<input type="text"/> , <input type="text"/>) |
| B (<input type="text"/> , <input type="text"/>) | F (<input type="text"/> , <input type="text"/>) |
| C (<input type="text"/> , <input type="text"/>) | G (<input type="text"/> , <input type="text"/>) |
| D (<input type="text"/> , <input type="text"/>) | H (<input type="text"/> , <input type="text"/>) |

b) Which two points have the same x coordinate? _____ and _____

c) Which two points have the same y coordinate? _____ and _____

3 Plot the points on the coordinate grid.

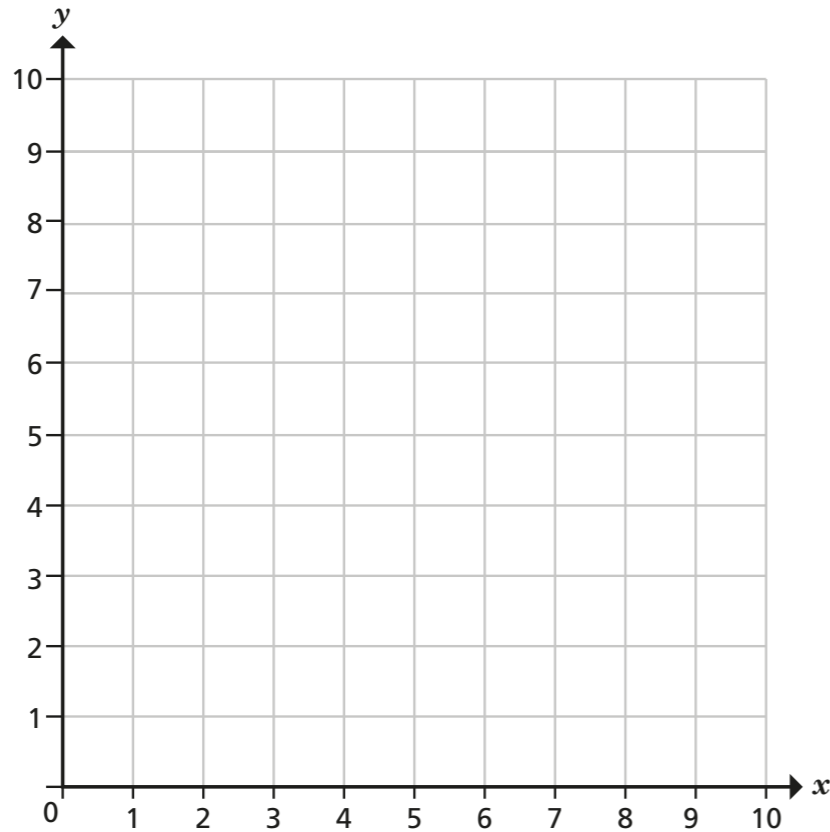
A (2, 5)

B (7, 3)

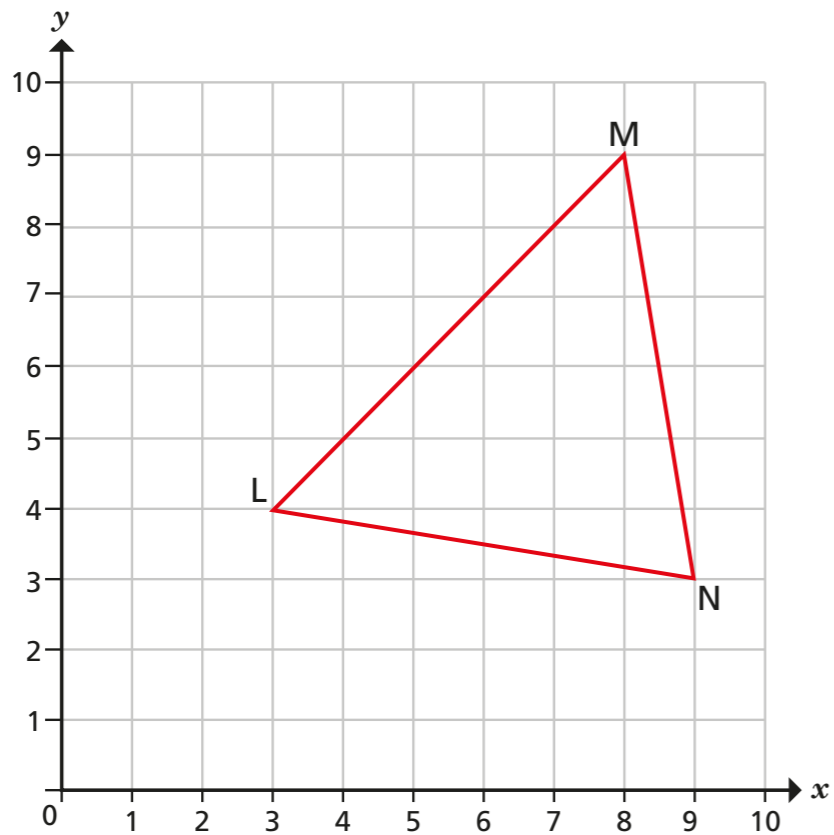
C (5, 1)

D (0, 9)

E (4, 0)



4 A triangle has been drawn on the coordinate grid.

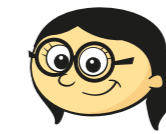
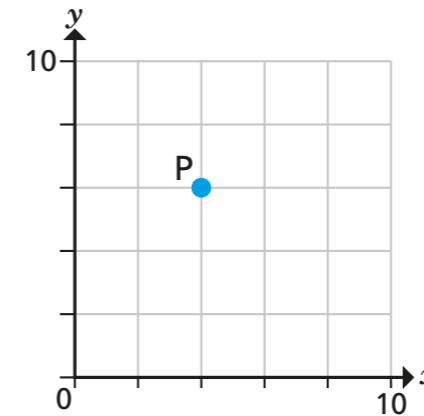


Write the coordinates of each vertex of the triangle.

L (,) M (,) N (,)

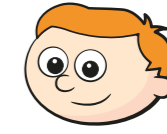
5 Annie and Ron are working out the coordinates of point P.

Here are their answers.



Annie

(2, 3)



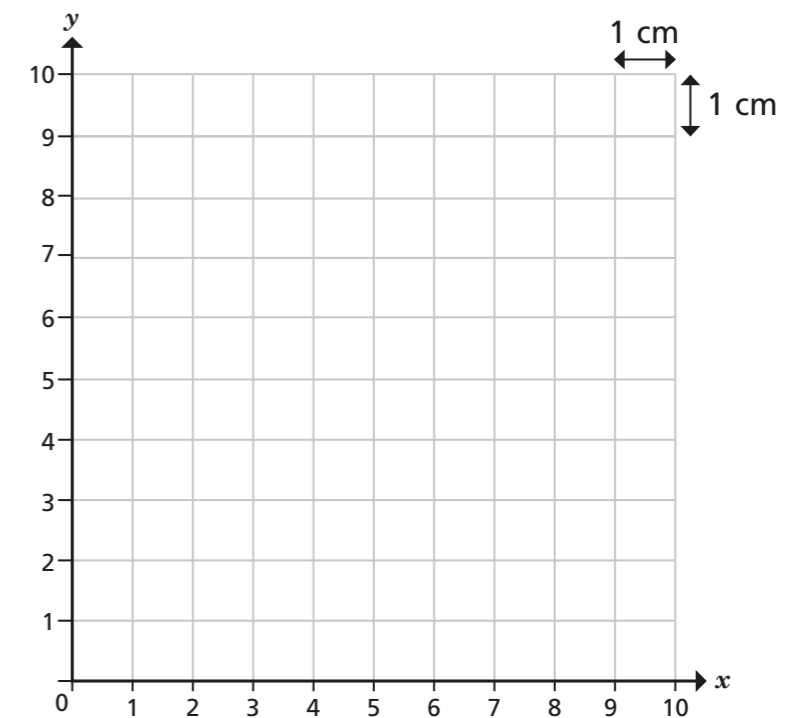
Ron

(4, 6)

Who do you agree with? _____

What mistake has the other person made?

6 A coordinate grid has been drawn on a page of centimetre squares.



a) The coordinates of three vertices of a rectangle are (0, 3), (7, 3) and (7, 0).

What are the coordinates of the fourth vertex? (,)

b) Work out the area and perimeter of the rectangle.

area = cm² perimeter = cm

Compare answers with a partner.

