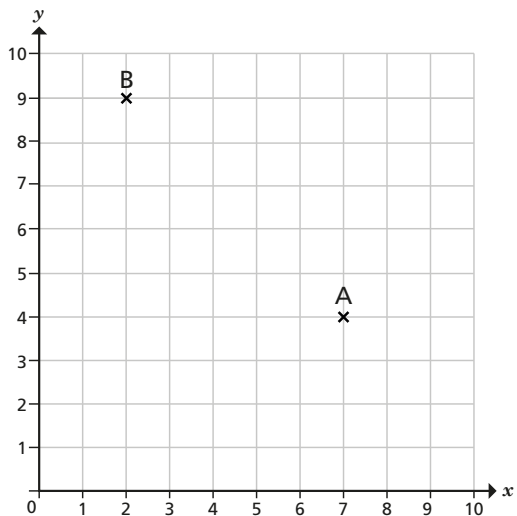


1 Two points have been plotted on the coordinate grid.



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



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

Whitney



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

Jack

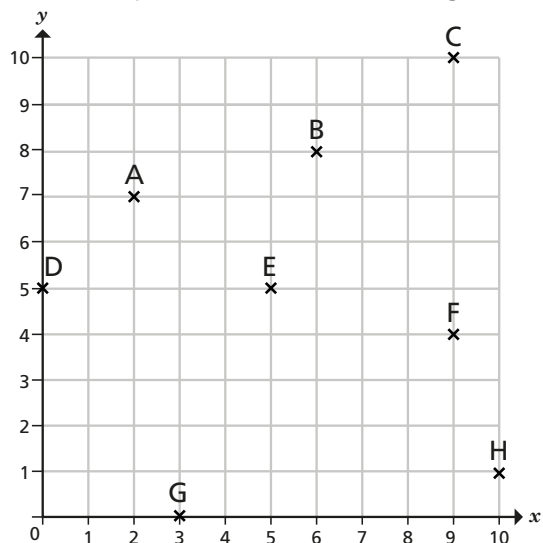
Who do you agree with?

Talk about it with a partner.



b) Write the coordinates of point B.

2 Eight points have been plotted on the coordinate grid.

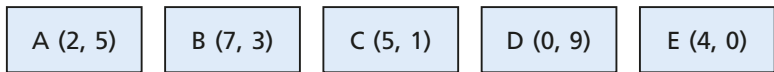


a) Write the coordinates of each point.

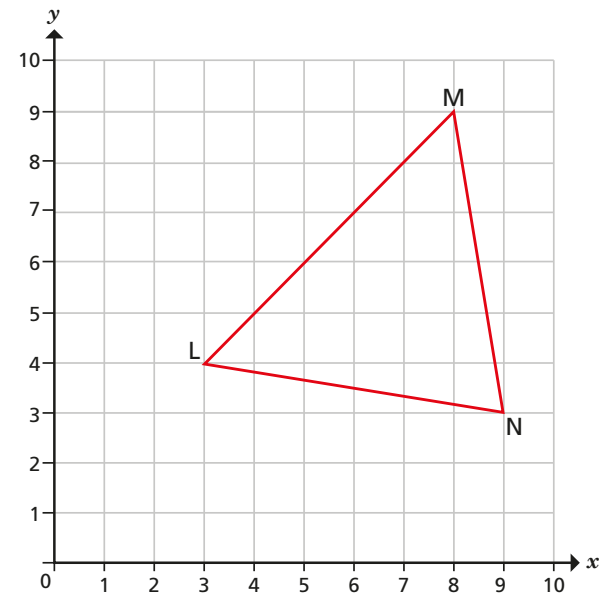
b) Which two points have the same  $x$  coordinate?

c) Which two points have the same  $y$  coordinate?

3 Plot the points on a coordinate grid.



4 A triangle has been drawn on the coordinate grid.



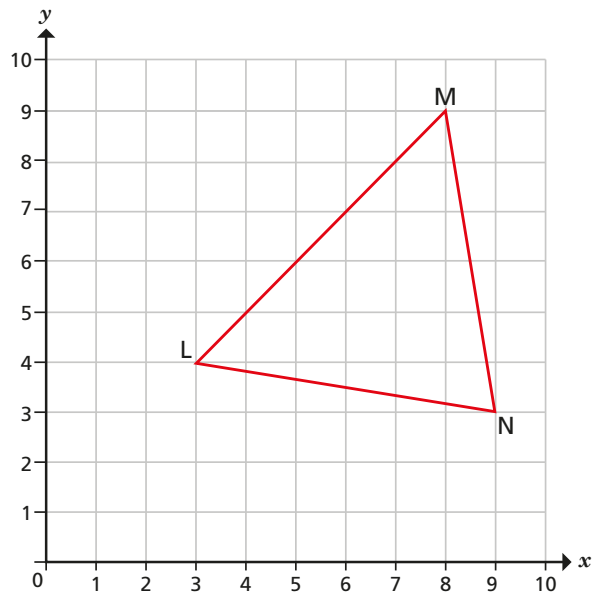
Write the coordinates of each vertex of the triangle.

- a) Write the coordinates of each point.
- b) Which two points have the same  $x$  coordinate?
- c) Which two points have the same  $y$  coordinate?

3 Plot the points on a coordinate grid.

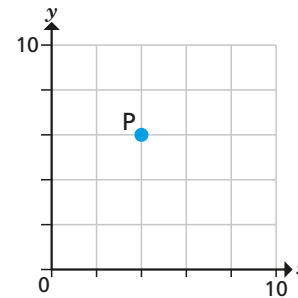
A (2, 5)	B (7, 3)	C (5, 1)	D (0, 9)	E (4, 0)
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4 A triangle has been drawn on the coordinate grid.



Write the coordinates of each vertex of the triangle.

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



Here are their answers.



Annie  
(2, 3)

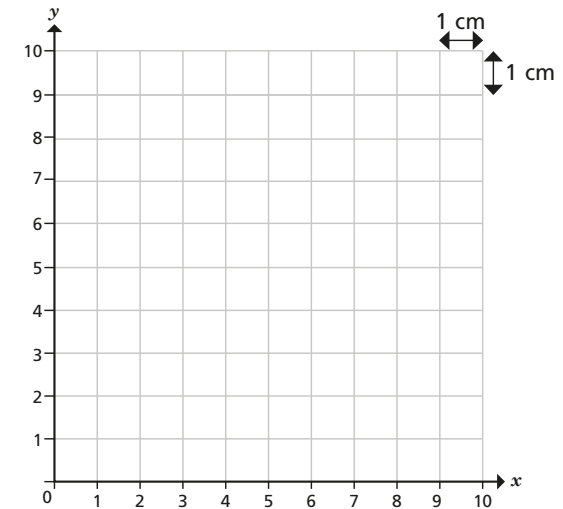


Ron  
(4, 6)

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.

Compare answers with a partner.