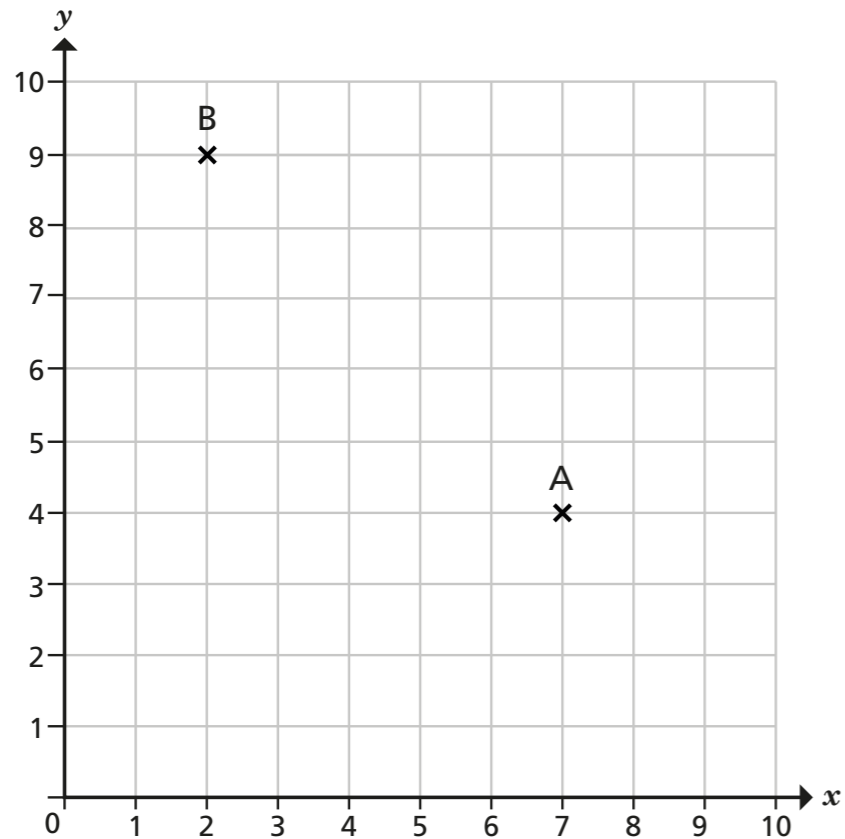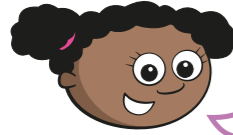# Position in the first quadrant

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).
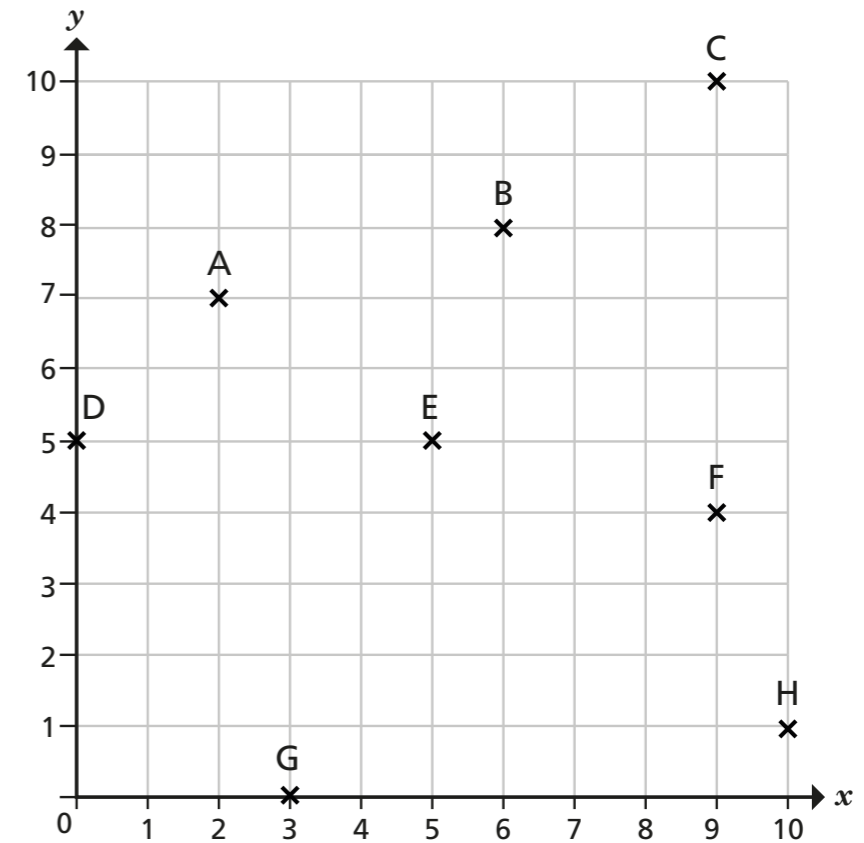
Who do you agree with? _Whitney_

Talk about it with a partner.

b) Write the coordinates of point B. (2 , 9)

2 Eight points have been plotted on the coordinate grid.

a) Write the coordinates of each point.

A (2 , 7)   E (5 , 5)

B (6 , 8)   F (9 , 4)

C (9 , 10)   G (3 , 0)

D (0 , 5)   H (10 , 1)

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

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

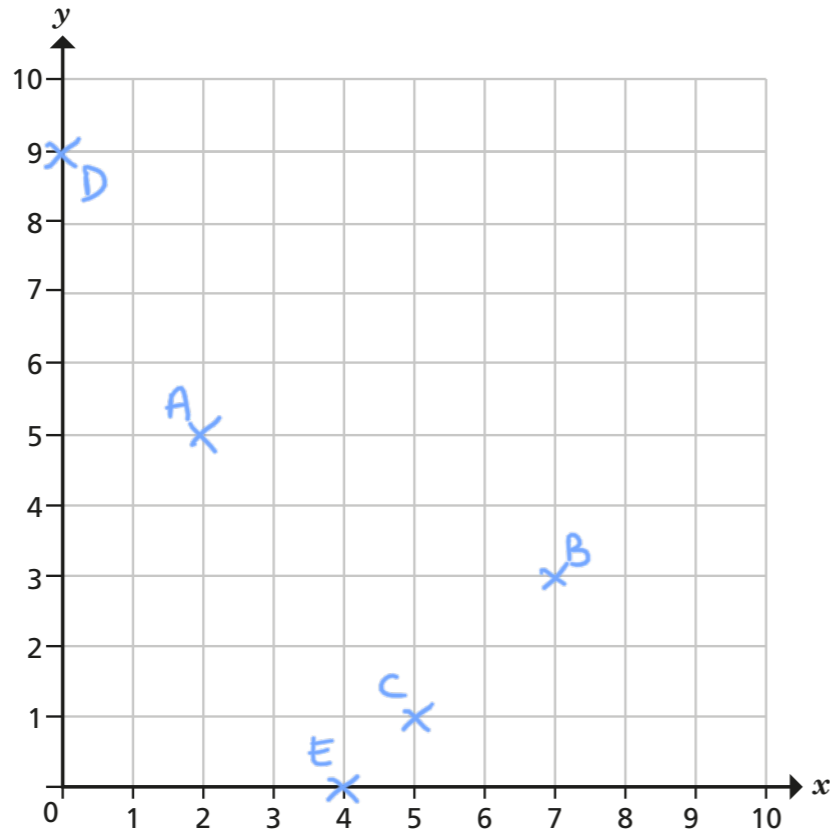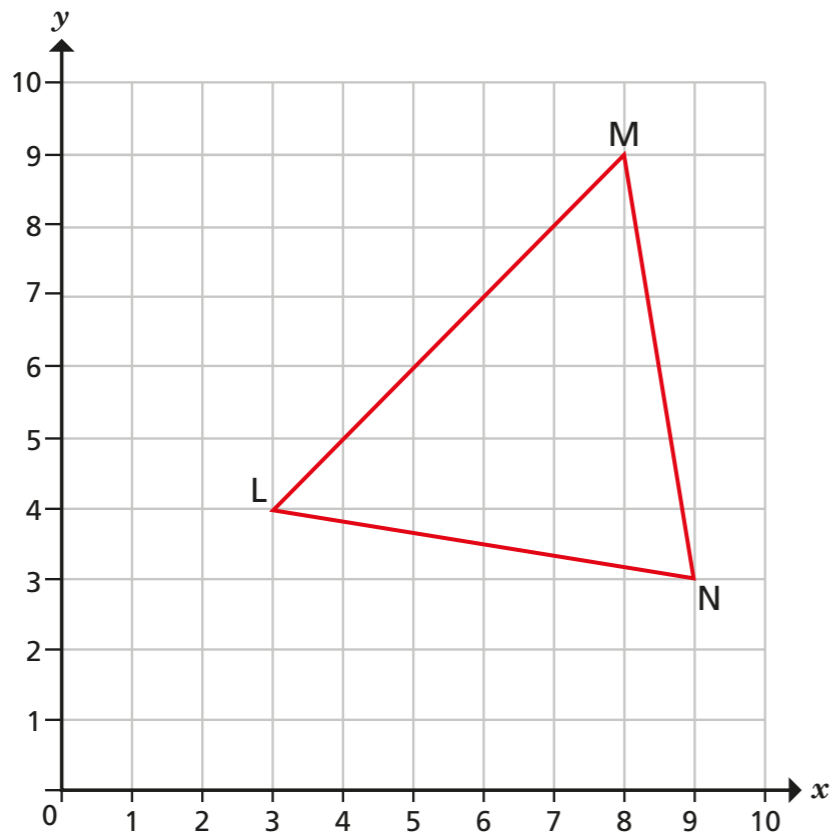**3** Plot the points on the coordinate grid.

A (2, 5)

B (7, 3)

C (5, 1)

D (0, 9)

E (4, 0)
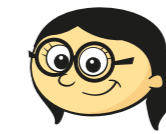
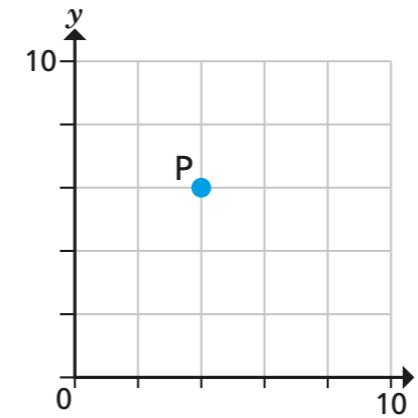**4** A triangle has been drawn on the coordinate grid.

Write the coordinates of each vertex of the triangle.

L (3 , 4)   M (8 , 9)   N (9 , 3)
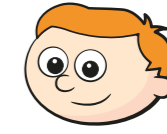
5 Annie and Ron are working out the coordinates of point P.

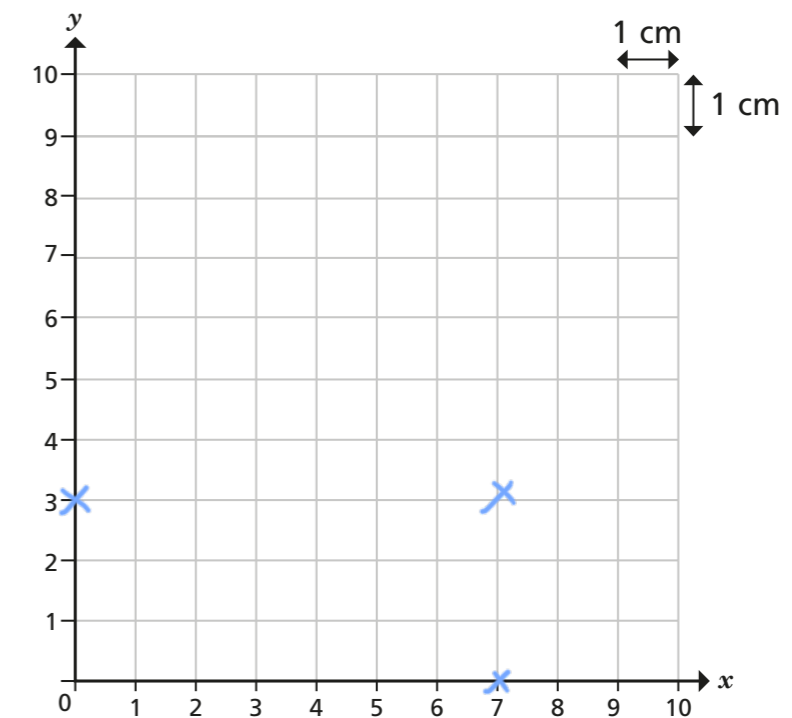Here are there answers.

Annie
(2, 3)

Ron
(4, 6)

Who do you agree with? __Ron__

What mistake has the other person made?

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

1 cm

1 cm

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?   (0 , 0)

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

area = 21 cm²   perimeter = 20 cm

Compare answers with a partner.