

- 1 The cards show the coordinates of six points.

A (4, 4)

B (2, 3)

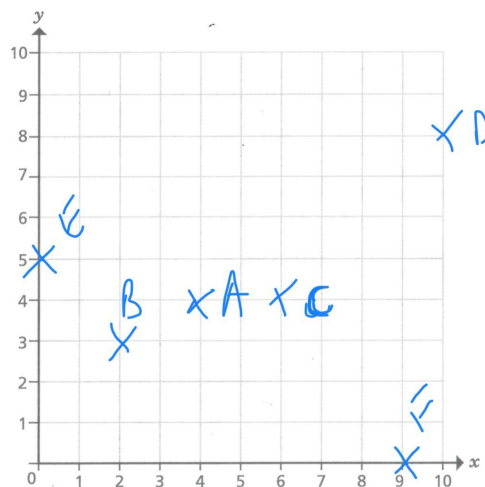
C (6, 4)

D (10, 8)

E (0, 5)

F (9, 0)

Plot and label the points on the grid.



Compare answers with a partner.

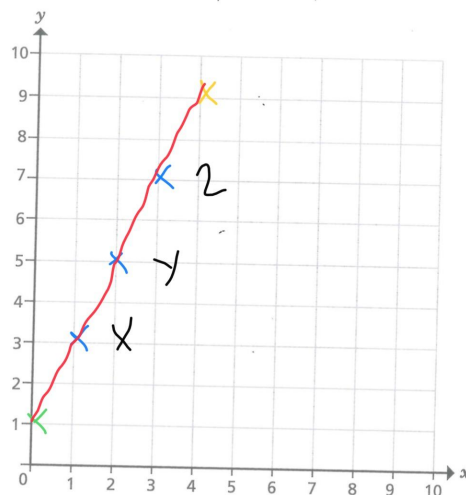
- 2 Here are the coordinates of three points.

X (1, 3)

Y (2, 5)

Z (3, 7)

- a) Plot and label the points on the grid.



- b) Join up the points.

What do you notice?

- c) Write the coordinates of two other points that fit this pattern.

(0, 1) and (4, 9)

Compare answers with a partner.

- 3 Here are the coordinates of the vertices of a rectangle.

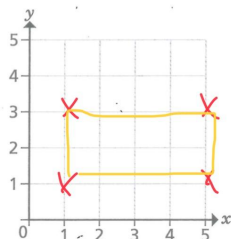
(1, 1)

(5, 1)

(1, 3)

(5, 3)

Draw the rectangle on the grid.



- 4 Two squares are drawn on a grid.

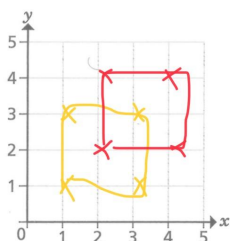
Here are the coordinates of the vertices of each square.

Square A (1, 1) (1, 3) (3, 3) (3, 1)

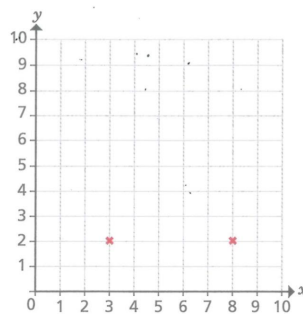
Square B (2, 2) (2, 4) (4, 4) (4, 2)

- a) Do you think the squares will overlap?

- b) Draw on the grid to check your answer.



- 5 Two vertices of a triangle are shown on the grid.



- a) What are the coordinates of the two vertices shown?

(3, 2) and (8, 2)

- b) Give a possible coordinate for the third vertex, if the triangle is right-angled.

(,)

- c) Give a possible coordinate for the third vertex, if the triangle is isosceles.

(3, 7)

Compare answers with a partner.

- 6 The coordinates of one vertex of a square are (10, 10).

Give possible coordinates for the other three vertices.

(,) (,) (,)

How many different answers can you find?