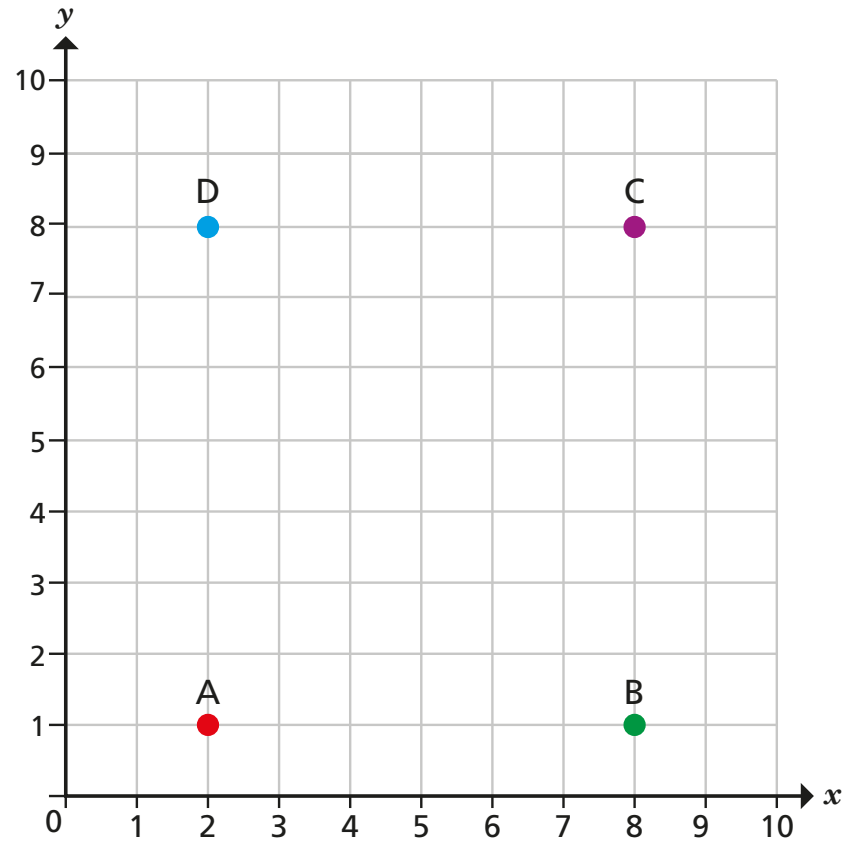


The first quadrant

1



a) Write the coordinates of the points A, B, C and D.

A (,) C (,)
 B (,) D (,)

b) Draw lines to join the points A to D to form a rectangle.

c) Write the coordinates of 4 different points in each column of the table. *Various answers.*

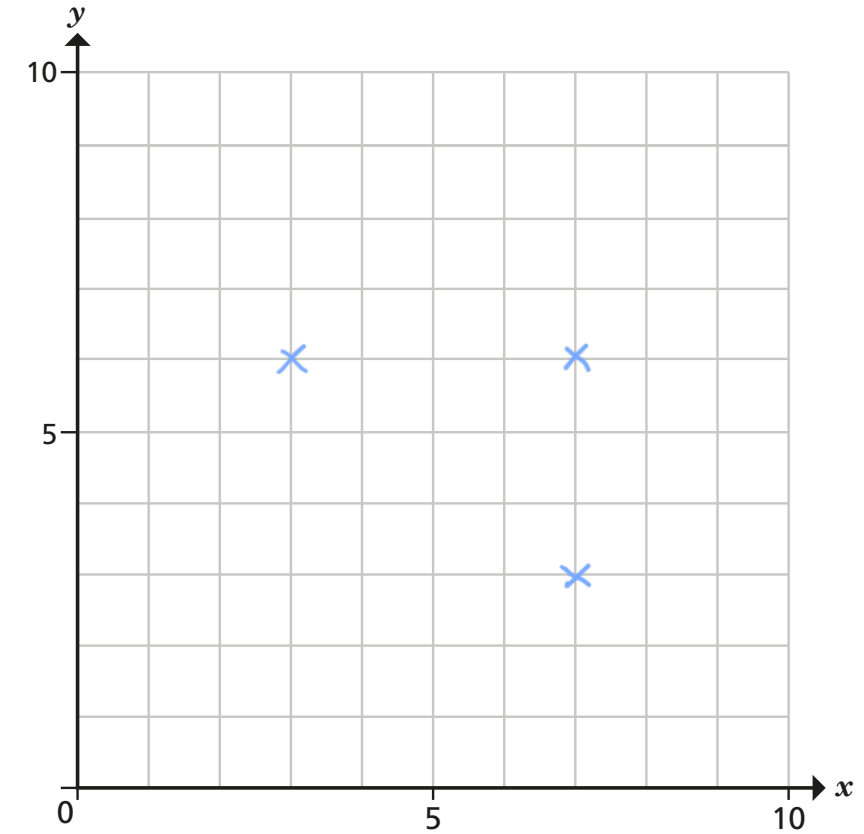
Inside the rectangle	Outside the rectangle	On the perimeter of the rectangle
(5, 3)		

2

Here are coordinates for three vertices of a rectangle.

(3, 6) (7, 3) (7, 6)

a) Plot the coordinates.



b) Write the coordinates of the fourth vertex.

(,)

3

Here are coordinates for two vertices of a square.

(5, 2) (5, 6)

What could the coordinates of the other two vertices be?

Give two possible solutions.

(,) and (,)

(,) and (,)



4

Various answers.

a) Write a set of coordinates that would join to make a right-angled triangle.

(1,14) (4,14) (1,11)

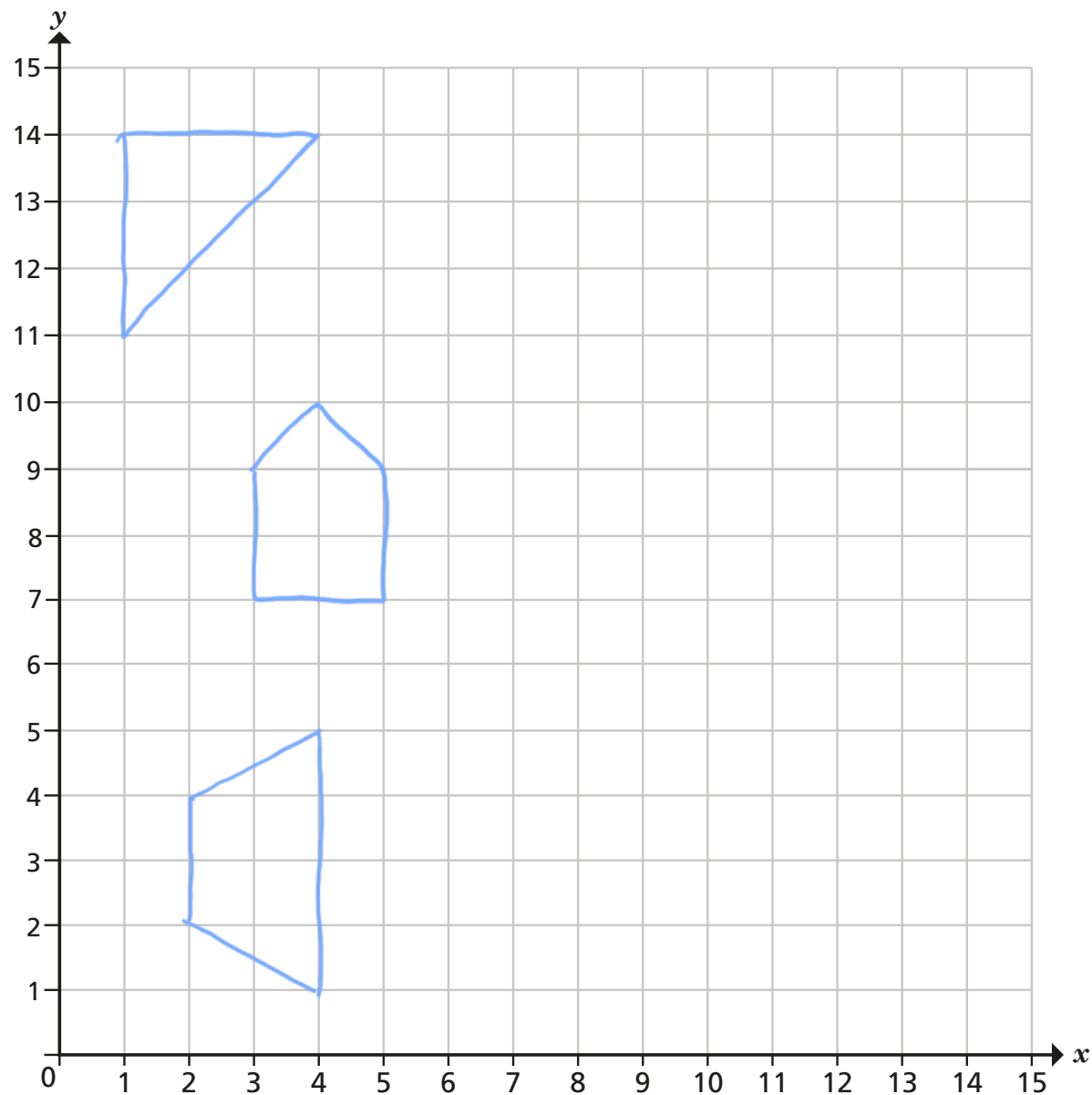
b) Write a set of coordinates that would join to make a pentagon.

(4,10) (3,9) (5,9) (3,7) (5,7)

c) Write a set of coordinates that would join to make a trapezium.

(4,1) (2,2) (2,4) (4,5)

d) Plot your points from parts a), b) and c) to check you are correct.



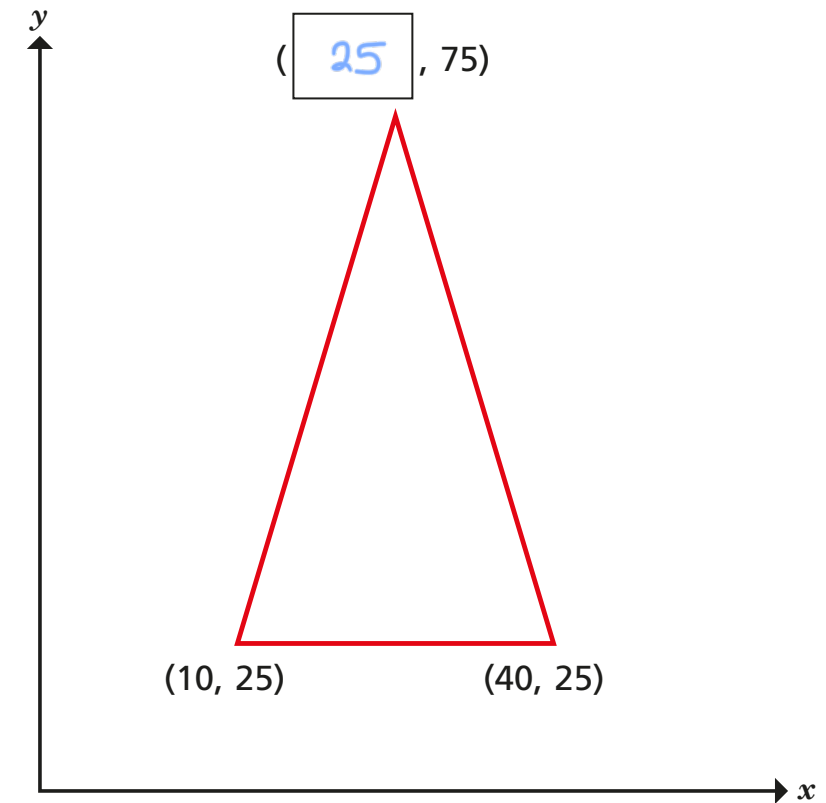
Compare shapes with a partner.

What is the same? What is different?



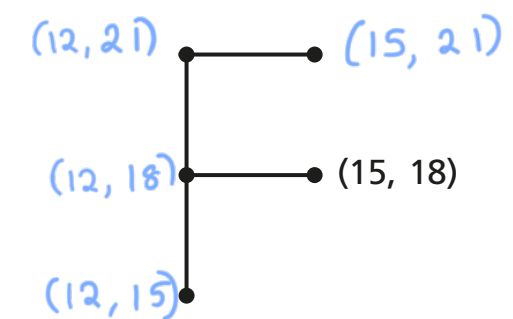
5

Complete the coordinate for the isosceles triangle.



6

Eva has drawn an F on a coordinate grid. One point is labelled. Suggest possible values for the other points and label them on the diagram. *Various answer e.g.*



Compare answers with a partner.

Is there more than one possible set of answers?

