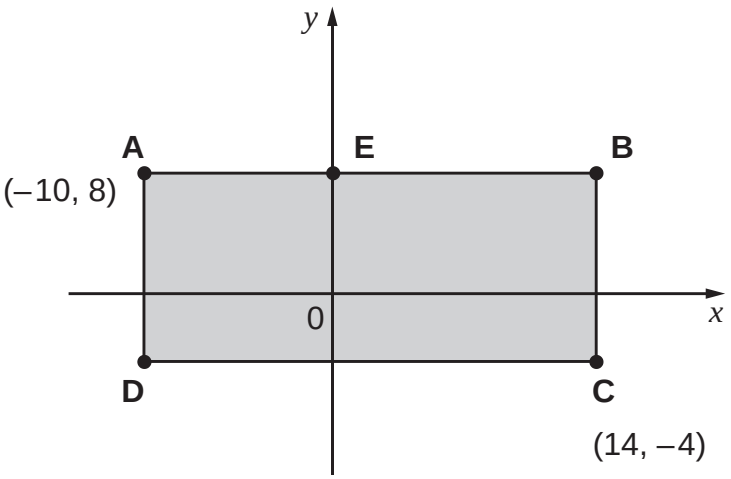
CO-ORDINATES

1) ABCD is a rectangle drawn on coordinate axes.

The sides of the rectangle are parallel to the axes.



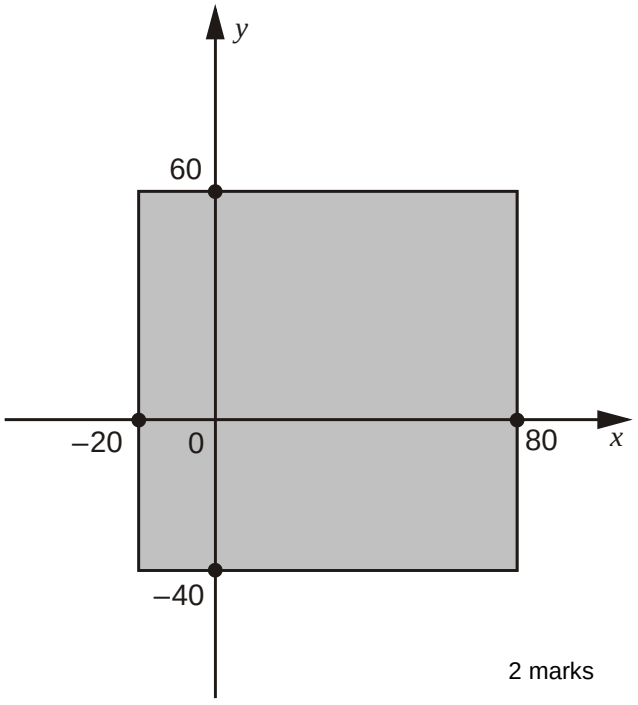
What are the coordinates of **D** and **E**?

D is (,)

1 mark

E is (,)

2)Here is a shaded square on x and y axes.



For each of these points, put a tick (✓) to show

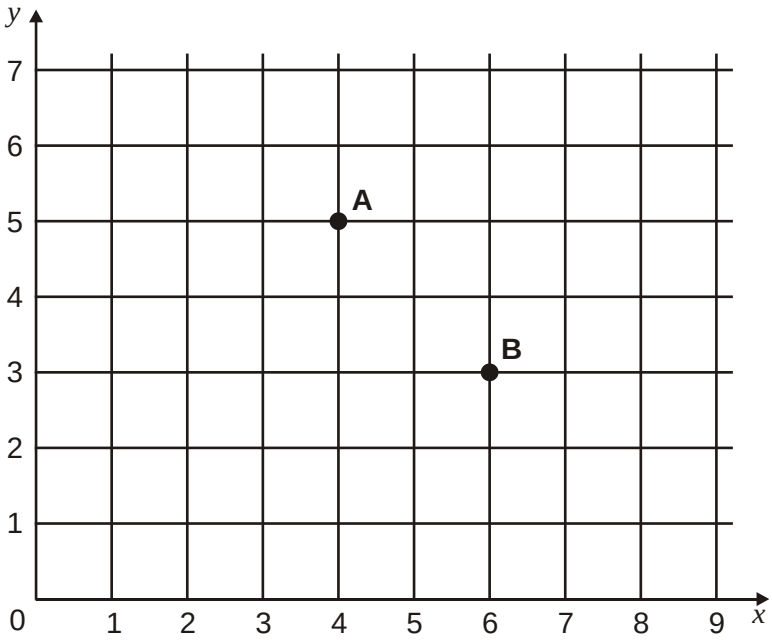
if it is inside the square or outside the square.

	Inside the square	outside the square
(50, 70)	☐	☐
(60, –30)	☐	☐
(–10, 50)	☐	☐
(–30, –30)	☐	☐

2 marks

3) **A, B**, **C** and **D** are the vertices of a rectangle.

A and **B** are shown on the grid.



D is the point (3, 4)

Write the coordinates of point **C.**

(,)

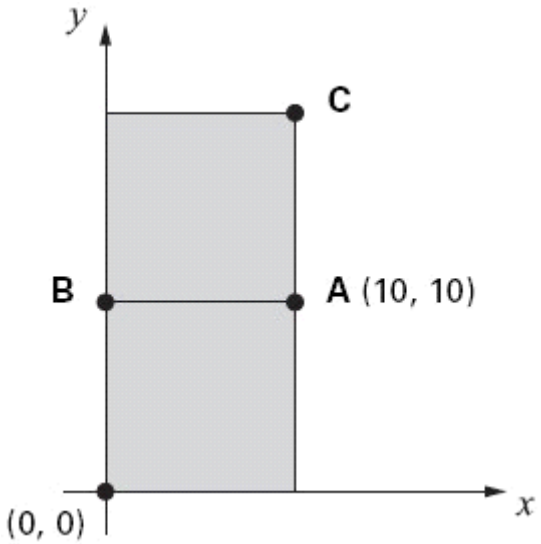
4) The diagram shows two identical squares.

A is the point (10,10)

What are the coordinates of **B** and **C**?

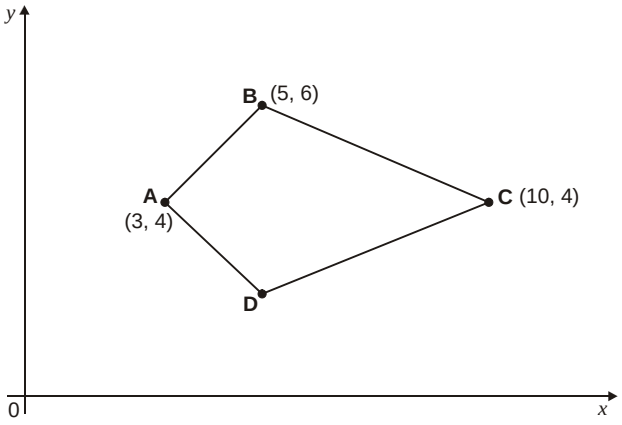
B is (,)

C is (,)



ark

5) Here is a kite.

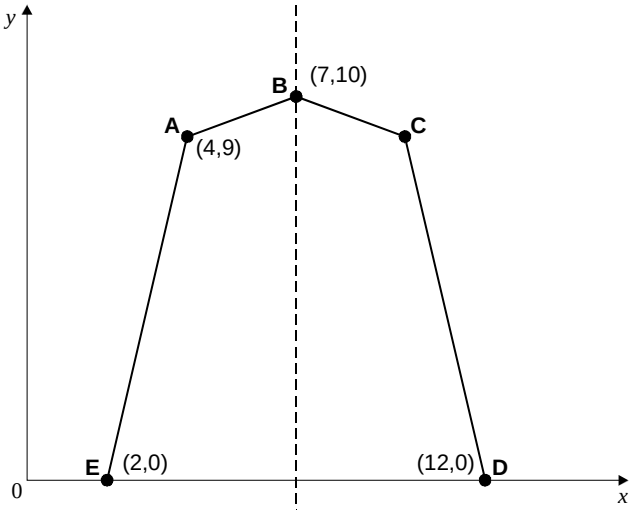


Write the coordinates of point **D**.

(,)

6) Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.

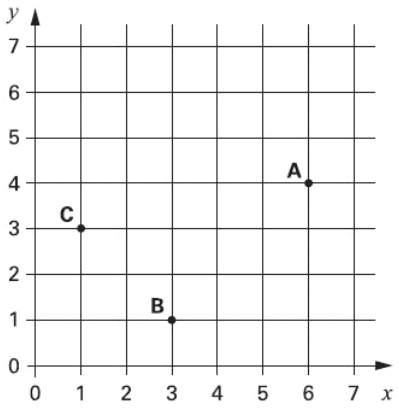


What are the coordinates of point **C**?

(,)

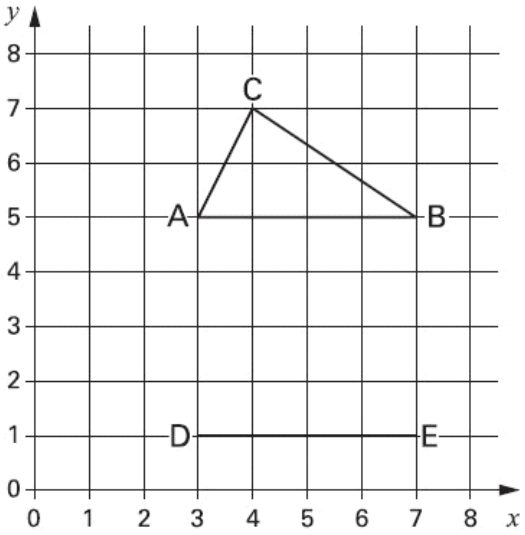
7) A, B and C are three corners of a rectangle.

What are the coordinates of the fourth corner?



(,)

8) Kyle has drawn triangle **ABC** on this grid.

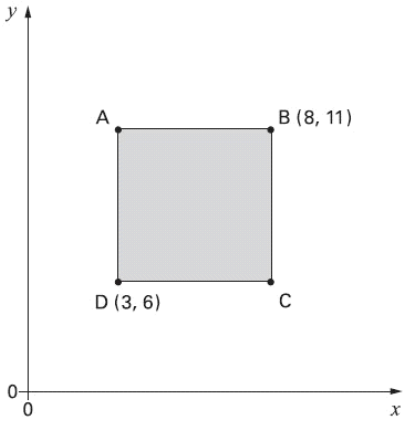


Holly has started to draw an **identical** triangle **DEF**.

What will be the coordinates of point **F**?

(,)

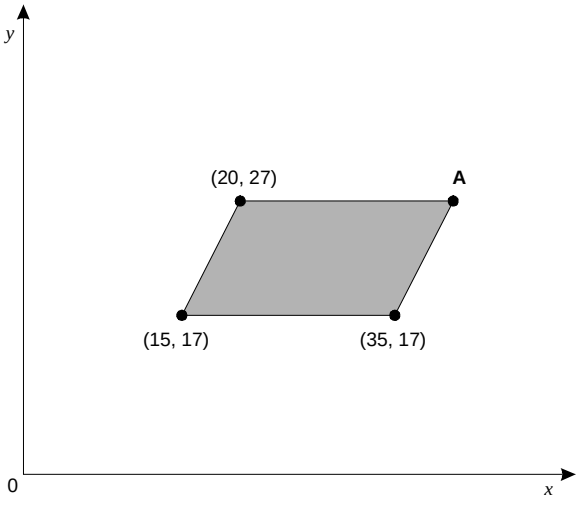
9) Here is a shaded square.



Write the coordinates for point **A**.

A =

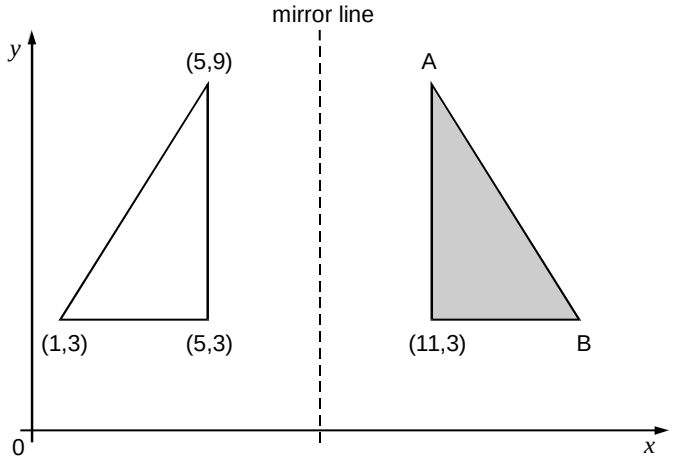
10) The shaded shape is a parallelogram.



Write in the coordinates of point **A.**

(,)

11) The shaded triangle is a reflection of the white triangle in the mirror line.



Write the **co-ordinates** of point **A** and point **B**.

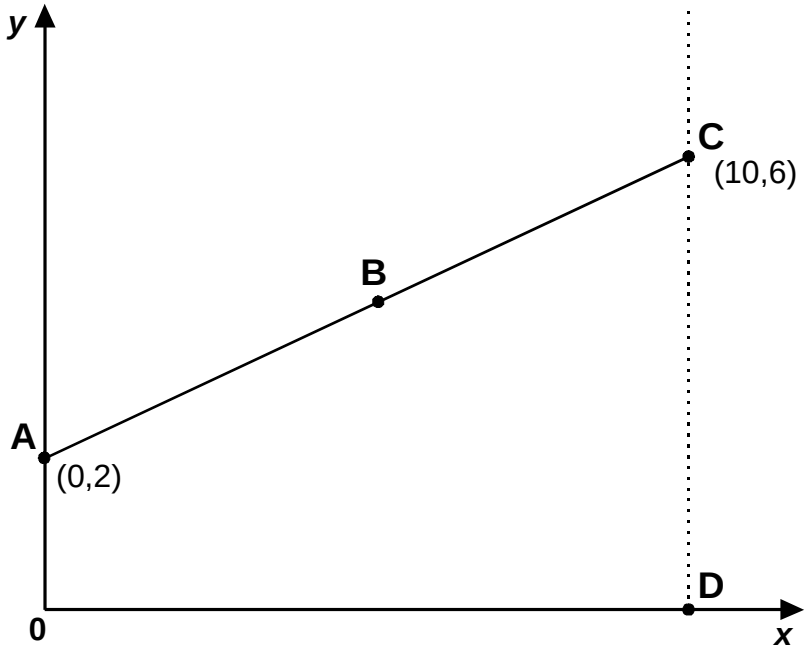
A is (,) **B** is (,)

12) Here is a graph

The points **A**, **B** and **C** are **equally spaced**.

What are the **co-ordinates** of the **point B**?

(,)



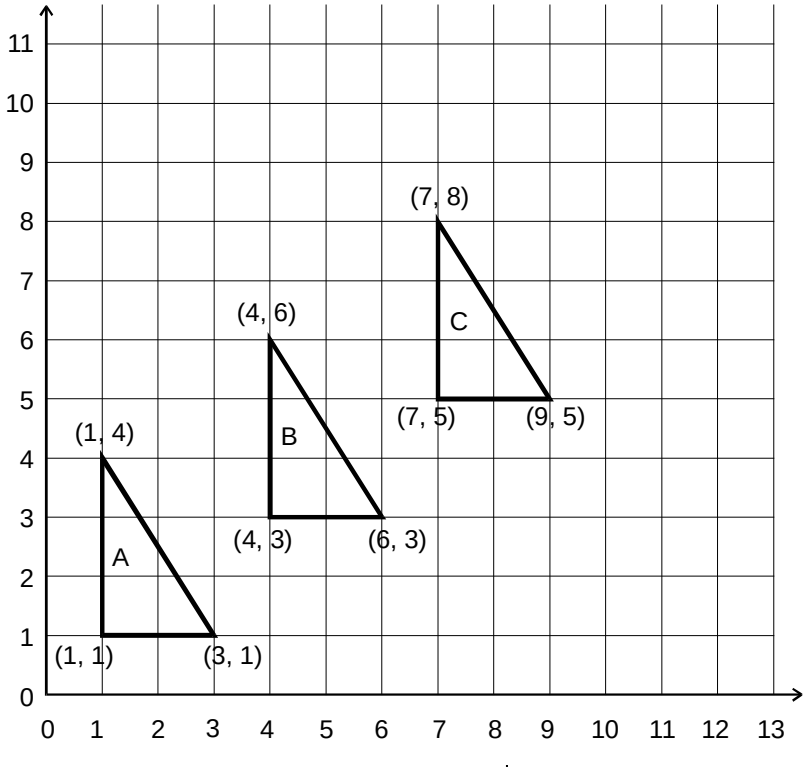
Point **D** is directly below point **C**.

What are the **co-ordinates** of the **point D**?

(,)

13) Write the co-ordinates

of the next triangle in the sequence.



14) (7, 6) are coordinates of a point on the line.

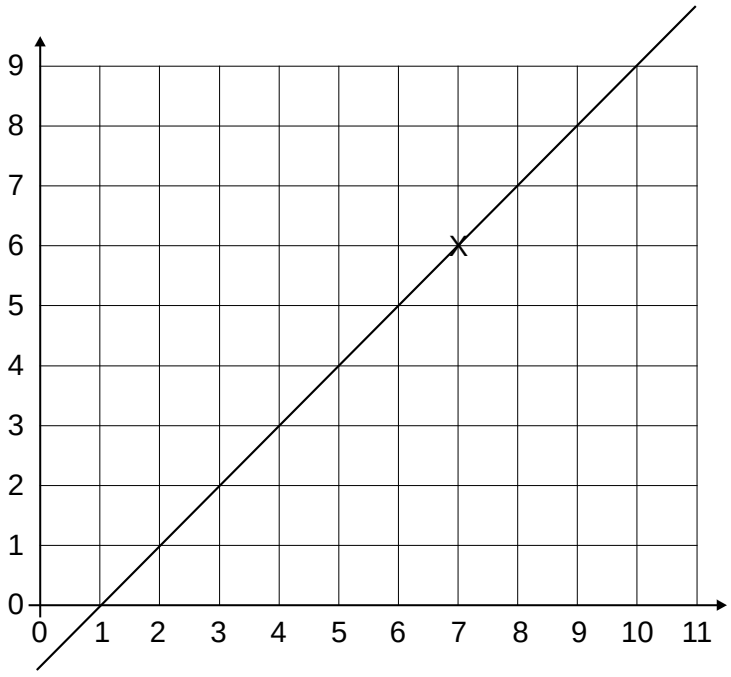
(a) Tick (✓) which of these are coordinates

of other points on the line.

(3,2) ☐ **(9,10)** ☐

(5,4) ☐ **(4,2)** ☐

(10,9) ☐ **(7,9)** ☐



b) How do you know that point (11, 12) would not be on this line?.....

.....

.....

.....

15) The Cave has co-ordinates **(7 , 4).**

What are the co-ordinates of the Treasure? **(,)**