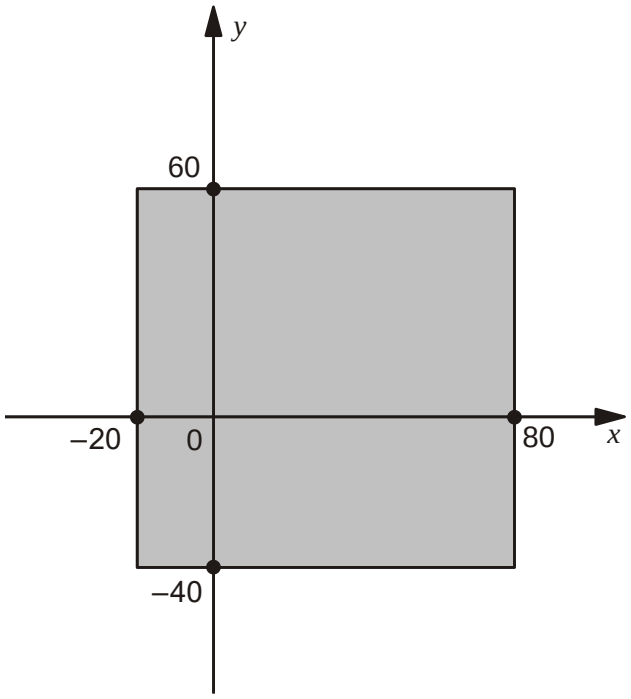
1. Here is a shaded square on x and y axes.



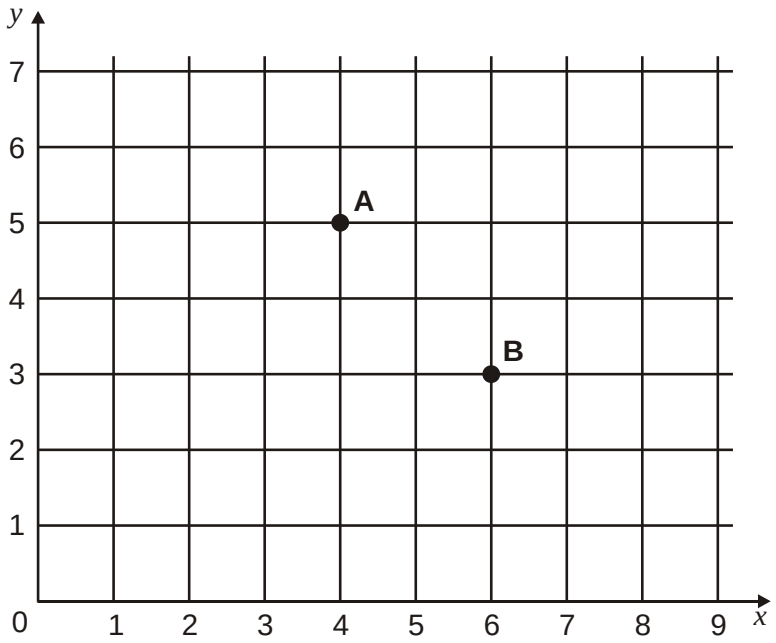
For each of these points, put a tick (✓) to show if it is inside the square or outside the square.

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

2 marks

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

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



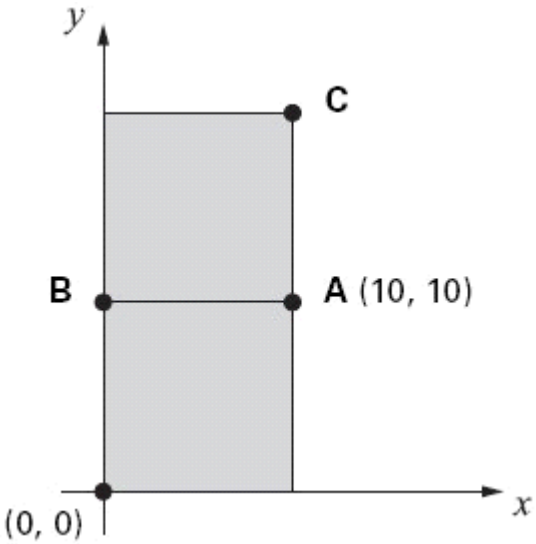
D is the point (3, 4)

Write the coordinates of point **C.**

(,)

1 mark

3. The diagram shows two identical squares.



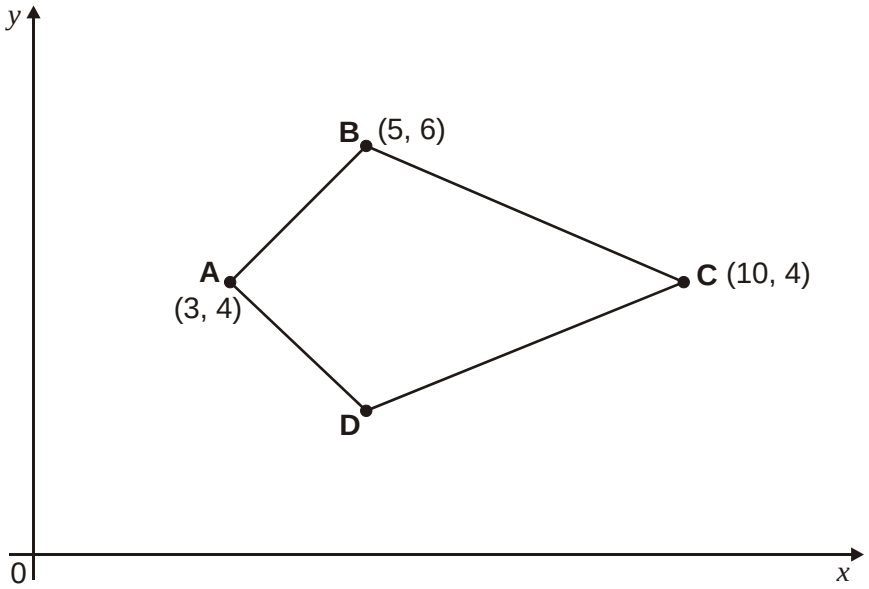
A is the point (10,10)

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

B is (,) 1 mark

C is (,) 1 mark

4. Here is a kite.



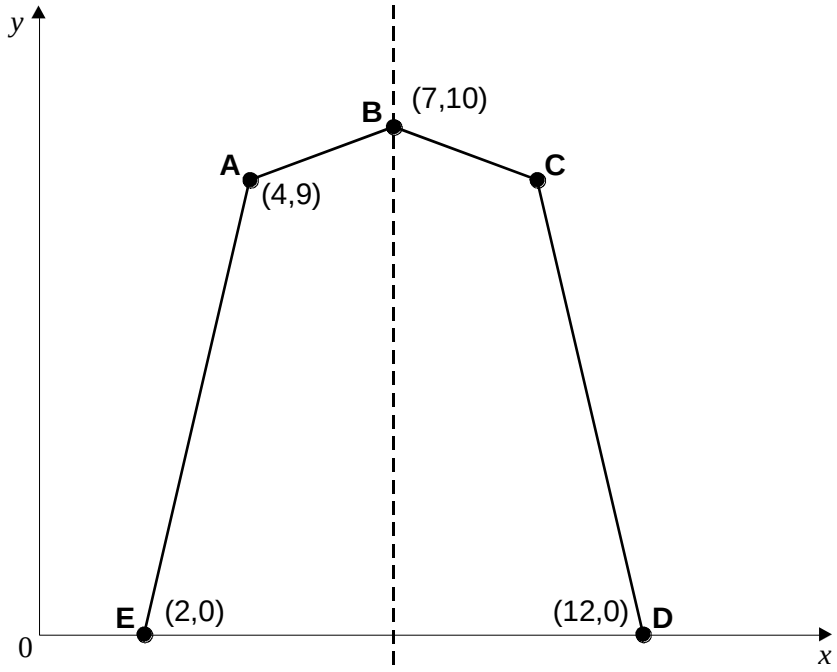
Write the coordinates of point **D**.

(,)

1 mark

5. Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.

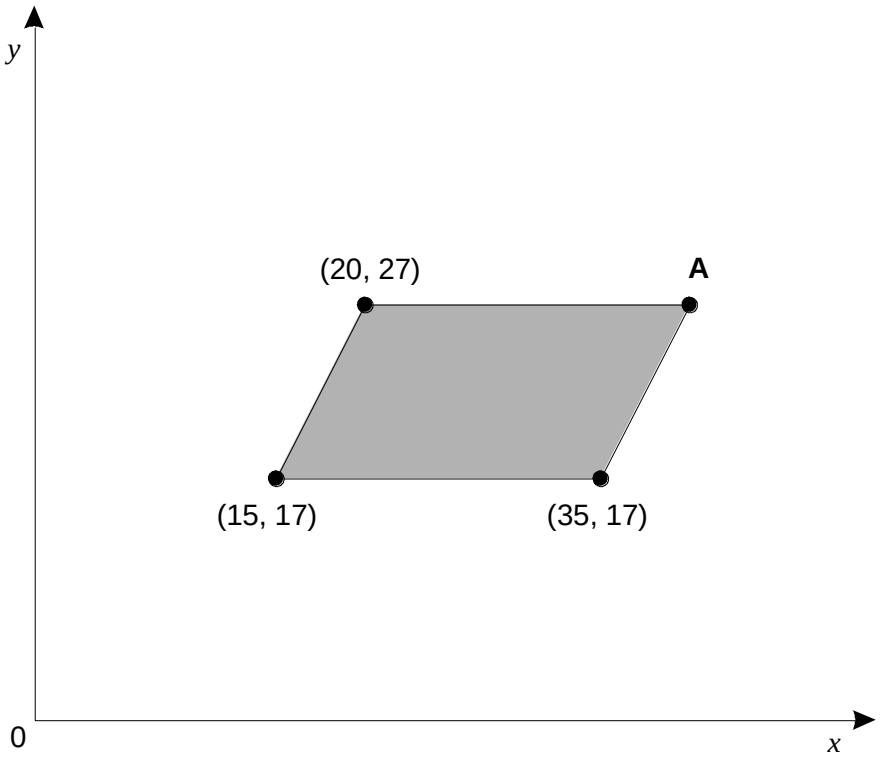


What are the coordinates of point **C**?

(,)

1 mark

6. The shaded shape is a parallelogram.

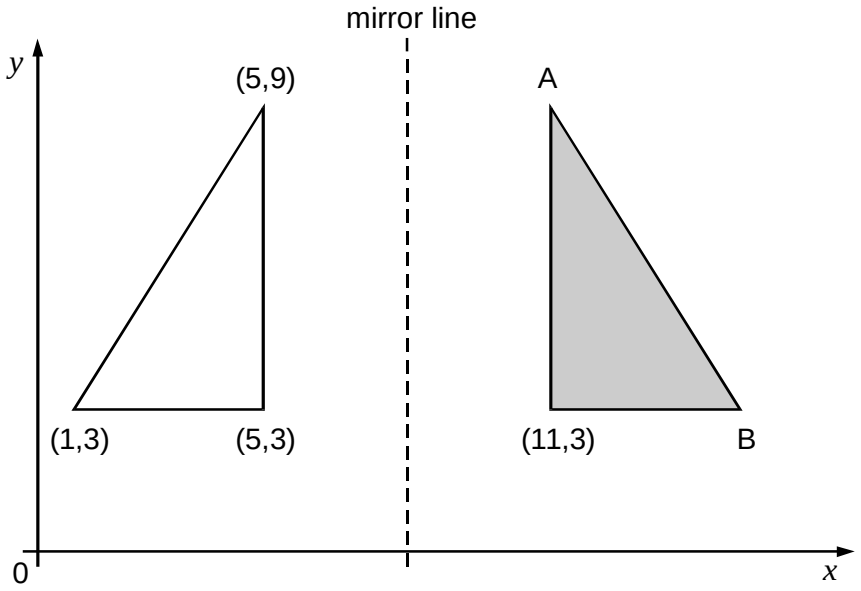


Write in the coordinates of point **A.**

(,)

1 mark

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

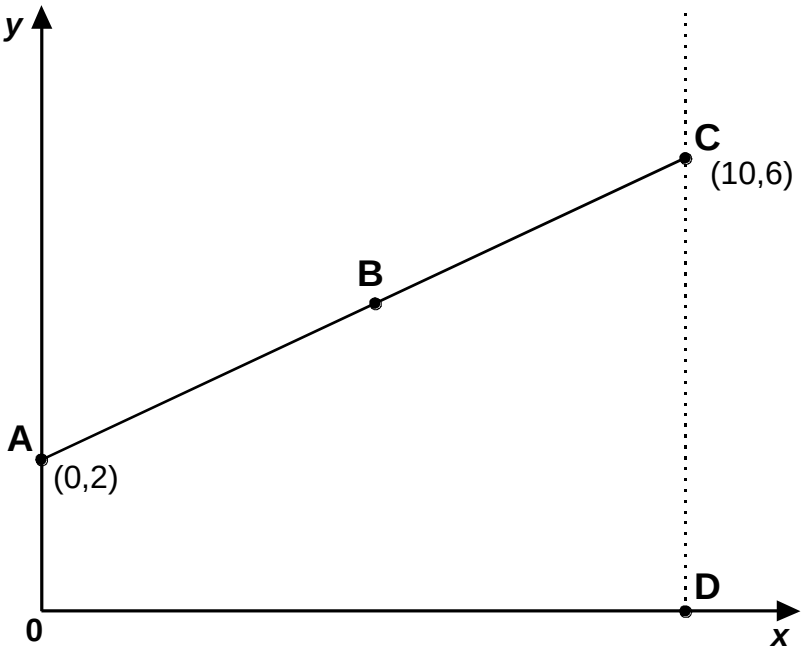


Write the **co-ordinates** of point **A** and point **B**.

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

2 marks

8. Here is a graph



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

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

(,)

1 mark

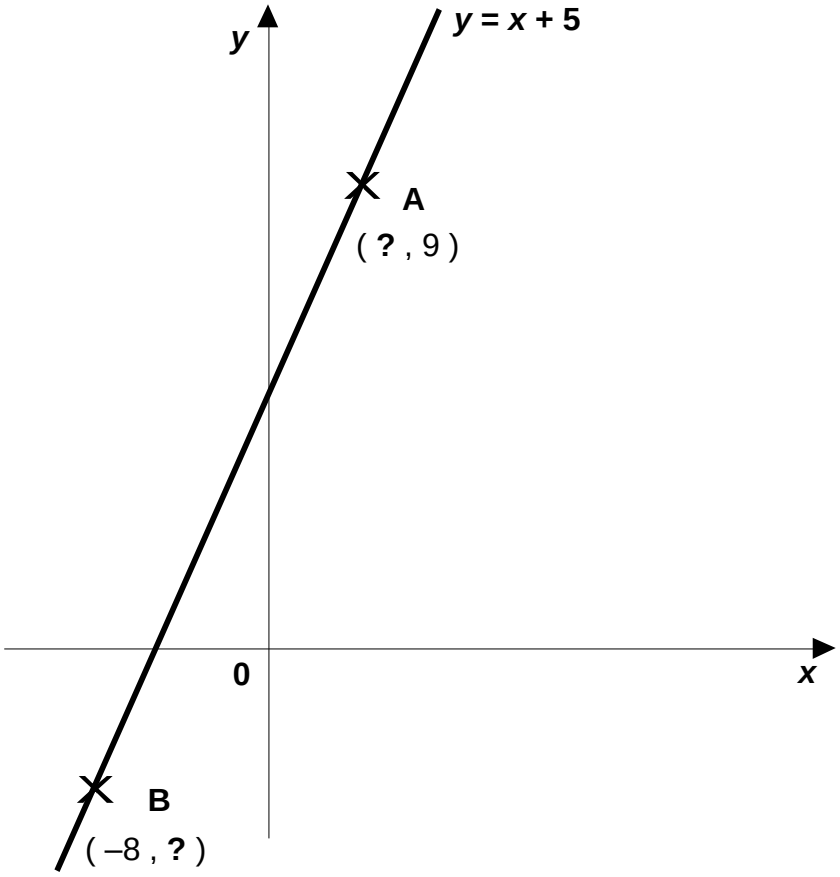
Point **D** is directly below point **C**.

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

(,)

1 mark

9. This diagram is **not** drawn to scale.



A and B are two points on the graph of $y = x + 5$

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

A **(** ☐ **, 9)**

1 mark

B **(–8,** ☐ **)**

1 mark

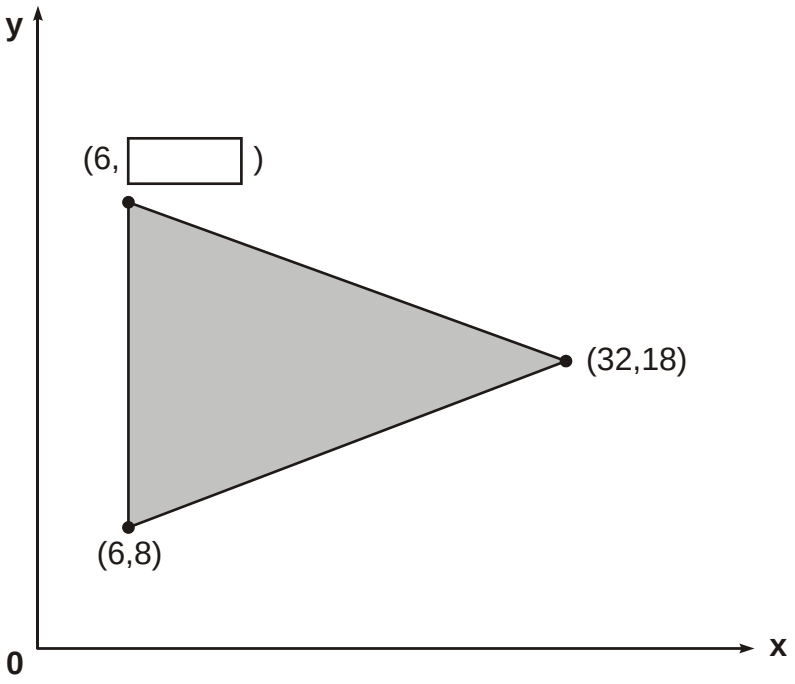
Write the co-ordinates of **the point** where the graph of $y = x + 5$ crosses the x **-axis**.

(,)

1 mark

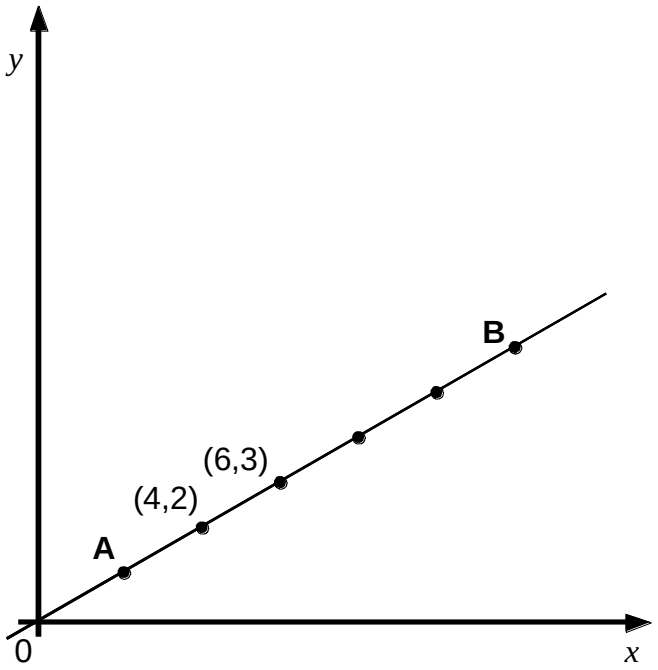
10. The shaded shape is an **isosceles** triangle.

Write in the missing co-ordinate.



1 mark

11. Here is a graph.



The dots (●) on the line are **equally spaced.**

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

(,)

1 mark

Megan says,

'The point B has coordinates (11,5).'

Use the graph to explain why she **cannot** be correct.

.....

.....

.....

1 mark