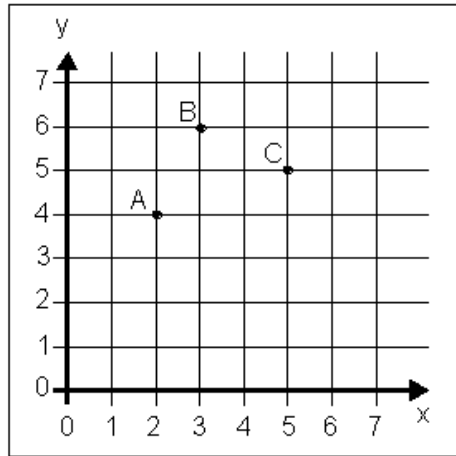


Q1.



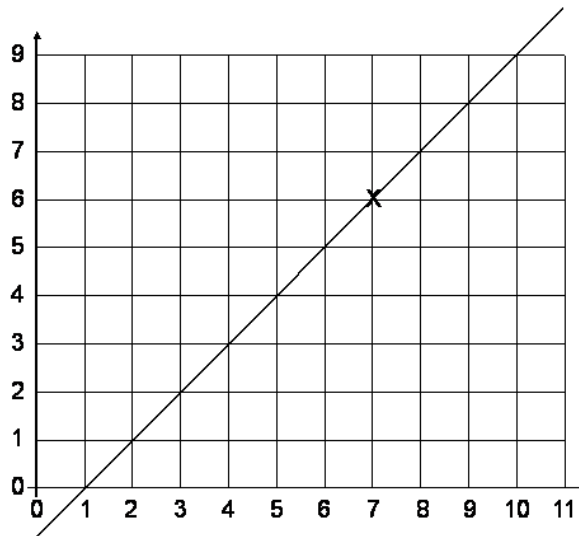
A, B and C are three corners of a **square**.

What are the **co-ordinates** of the other corner?

 (     ,     )

1 mark

Q2.



(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)

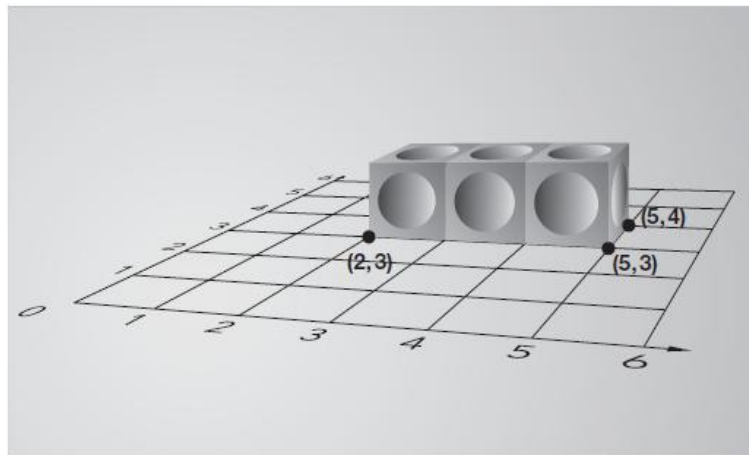
(4,2)      (10,9)      (7,9)

1 mark

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

1 mark

**Q3.** Alfie places three cubes on a coordinate grid. The base of his shape is a rectangle.



Complete this sentence:

The four **vertices** of the rectangle are

(2, 3), (5, 3), (5, 4)

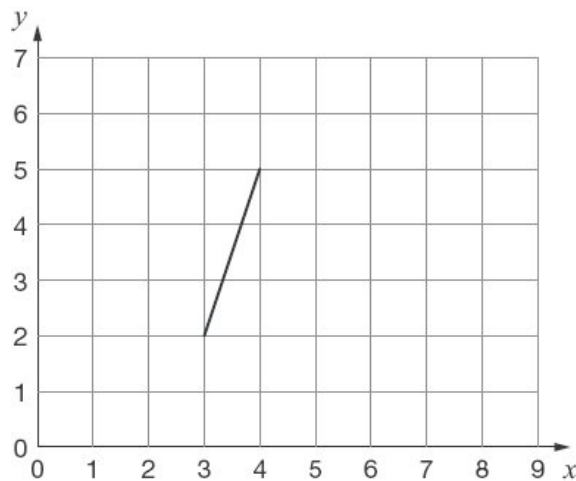
and



(       ,       )

1 mark

**Q4.** Here is one side of a square drawn on a coordinate grid.



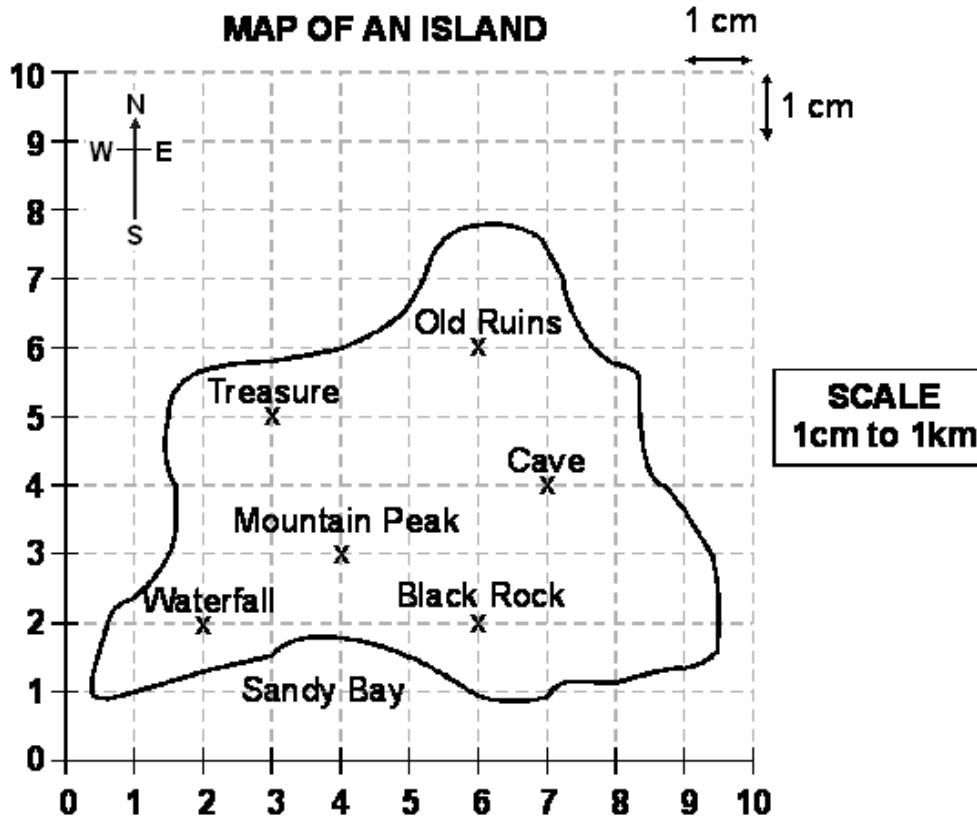
The square has a vertex at (6, 1).

Draw the other three sides of the square on the grid.

Use a ruler.

1 mark

Q5.

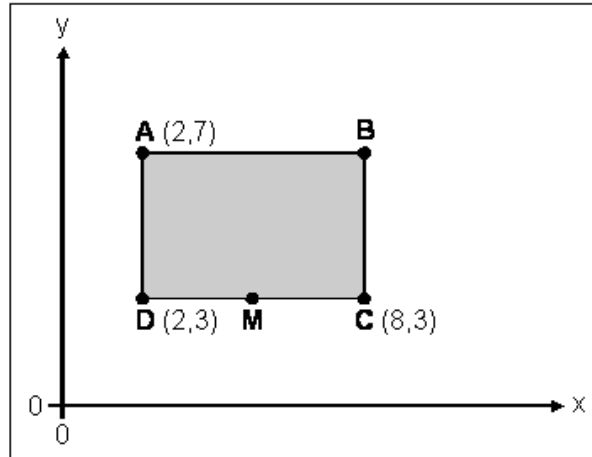


The Cave has co-ordinates **(7, 4)**.

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

1 mark

**Q6.** Here is a shaded **rectangle**.



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

 (     ,     )

1 mark

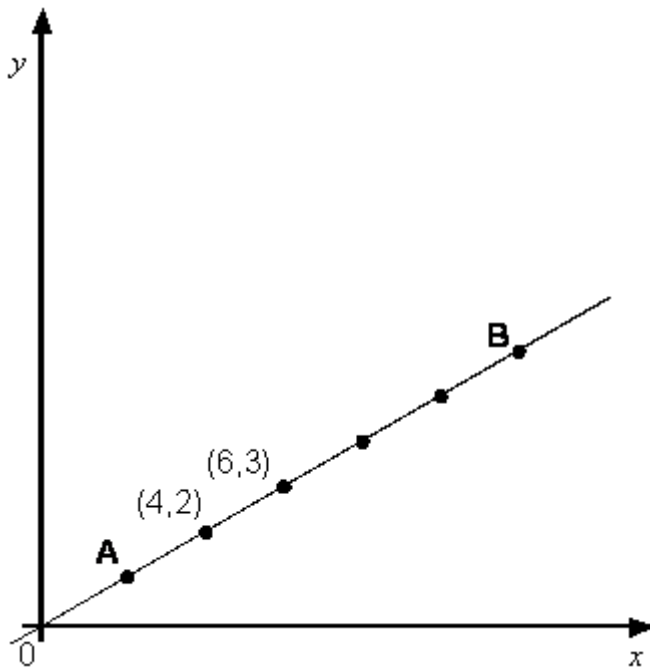
**M** is half way between **D** and **C**.

What are the co-ordinates of **M**?

 (     ,     )

1 mark

**Q7.** 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.

.....

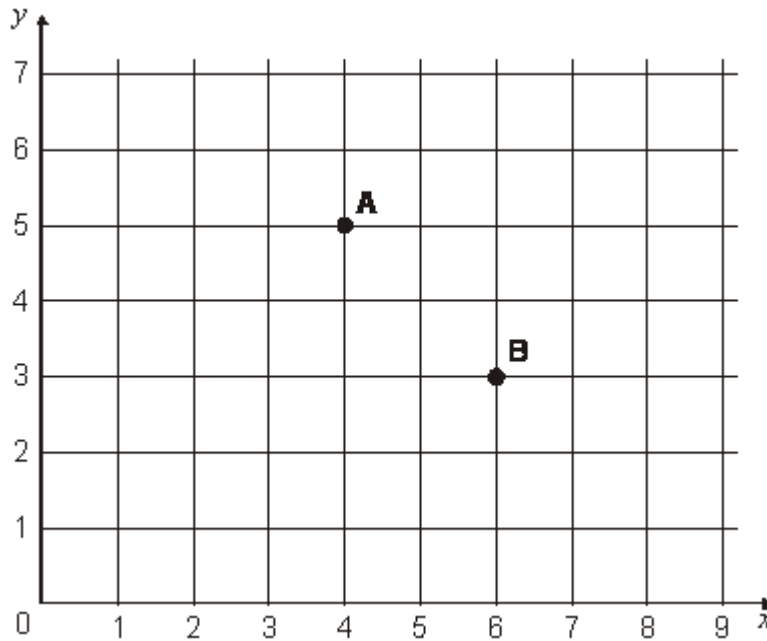
.....

.....

1 mark

**Q8.**     **A, B, C** and **D** are the vertices of a rectangle.

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



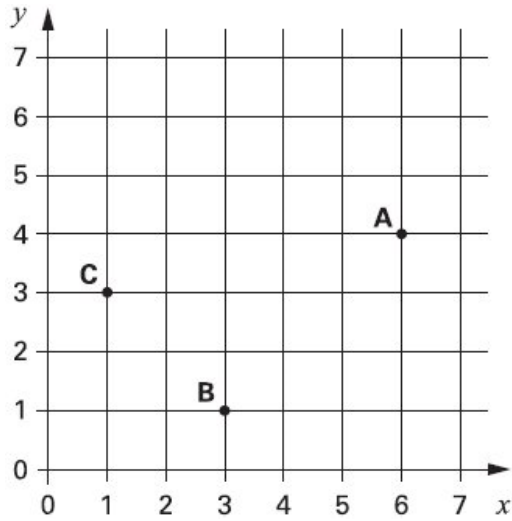
**D** is the point (3, 4)

Write the coordinates of point **C**.

1 mark

(     ,     )

**Q9.**



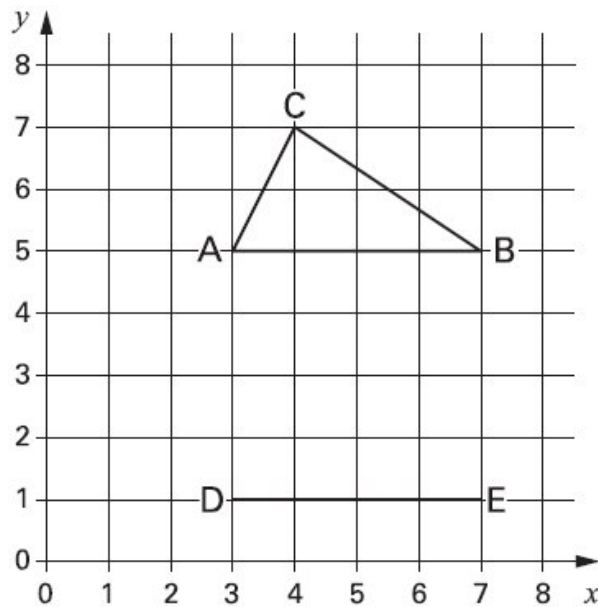
A, B and C are three corners of a rectangle.

What are the coordinates of the fourth corner?

1 mark

(      ,      )

**Q10.** Kyle has drawn triangle **ABC** on this grid.



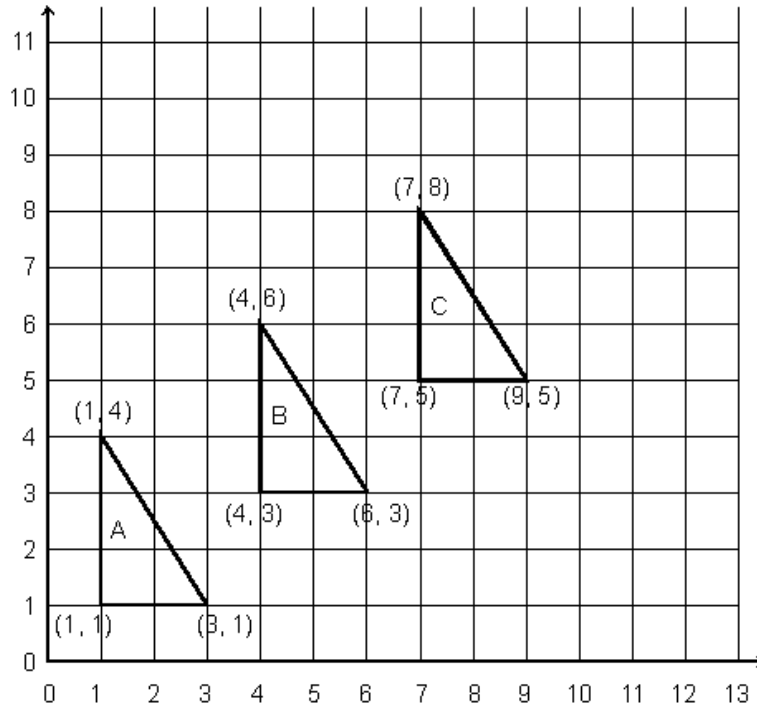
Holly has started to draw an **identical** triangle **DEF**.

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

1 mark

(      ,      )

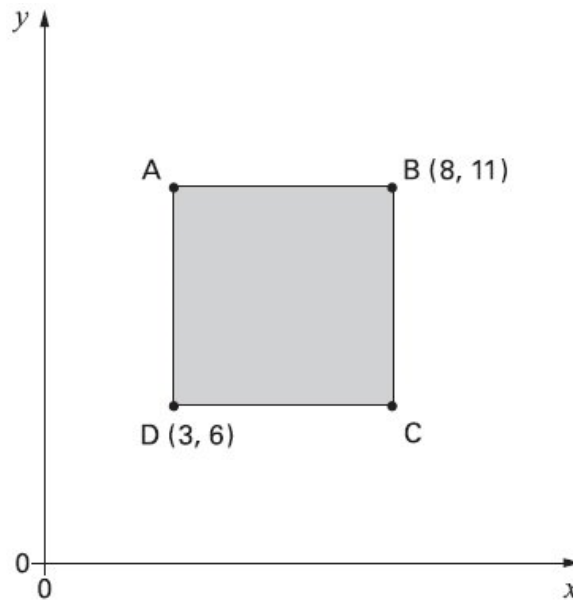
**Q11.**



Write the co-ordinates of the next triangle in the sequence.

1 mark

**Q12.** Here is a shaded square.

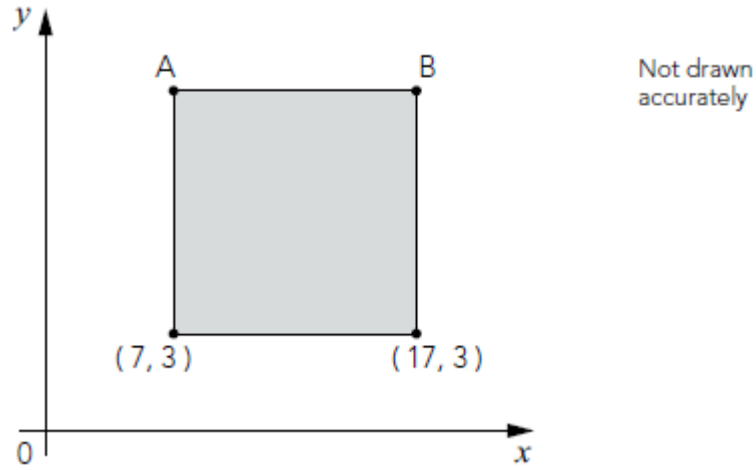


Write the coordinates for point A.


1 mark

$A = ( \quad , \quad )$

**Q13.** The shaded shape is a **square**.



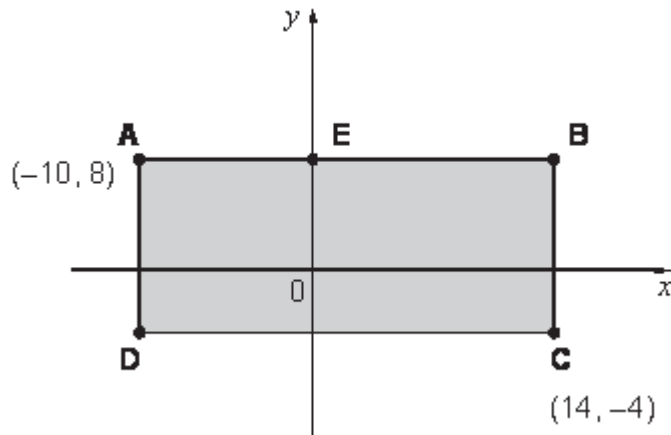
What are the coordinates of A and B?

 A (....., ..... )    B (....., ..... )


2 marks

**Q14.** **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

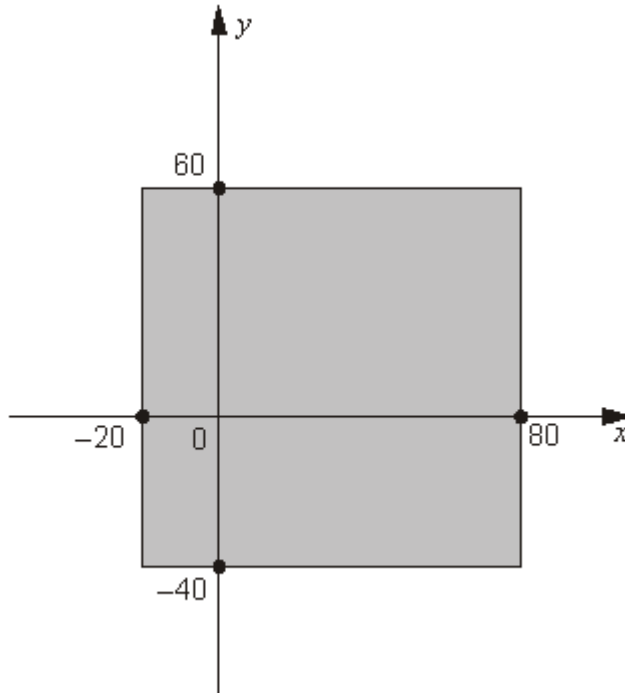
1 mark

 **E** is

1 mark



**Q15.** Here is a shaded square on  $x$  and  $y$  axes.



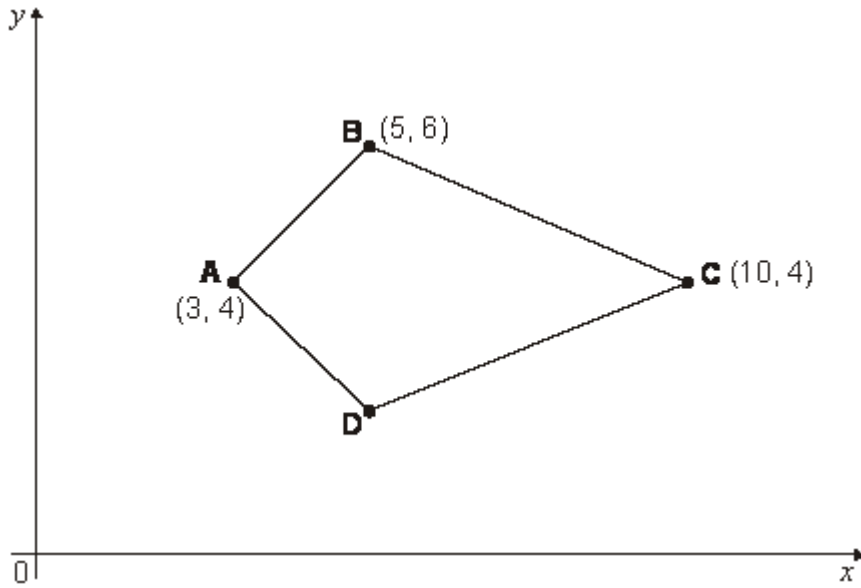
For each of these points, put a tick (✓) to show if it is inside the square or outside the square.



	inside the square	outside the square
(50, 70)	<input type="checkbox"/>	<input type="checkbox"/>
(60, -30)	<input type="checkbox"/>	<input type="checkbox"/>
(-10, 50)	<input type="checkbox"/>	<input type="checkbox"/>
(-30, -30)	<input type="checkbox"/>	<input type="checkbox"/>

2 marks

**Q16.** Here is a kite.

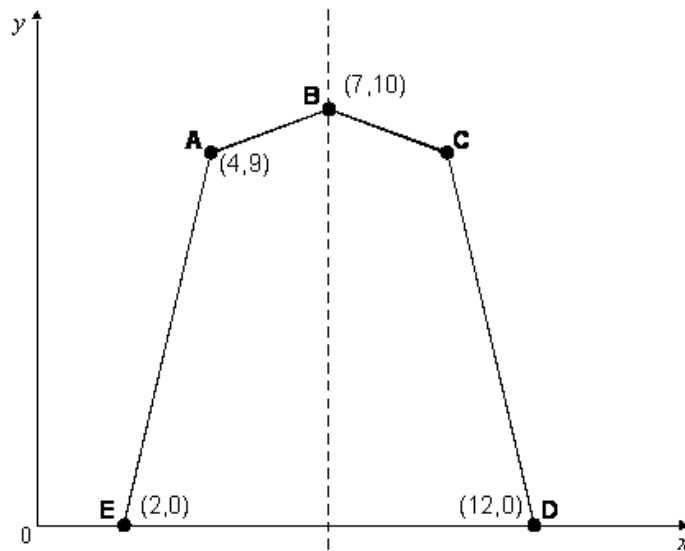


Write the coordinates of point **D**.

1 mark

**Q17.** Here is a pentagon drawn on a coordinate grid.

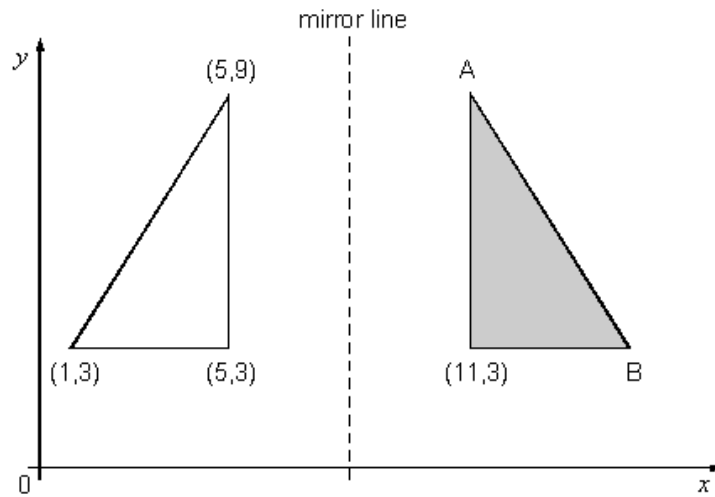
The pentagon is symmetrical.



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

1 mark

**Q18.** The shaded triangle is a reflection of the white triangle in the mirror line.

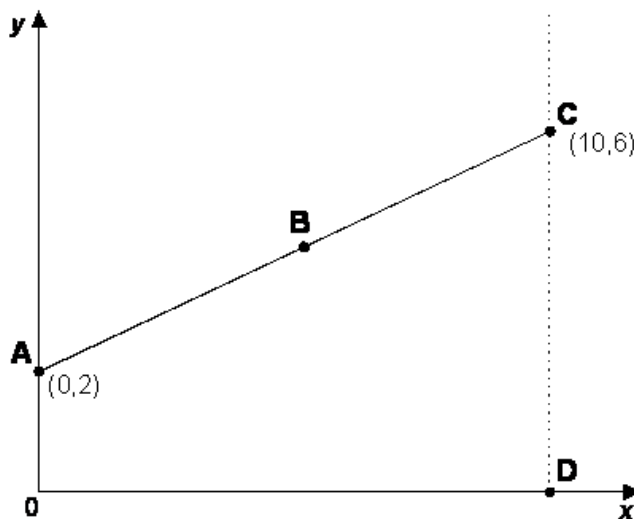


Write the **co-ordinates** of point **A** and point **B**.

A is  B is

2 marks

**Q19.** 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**.

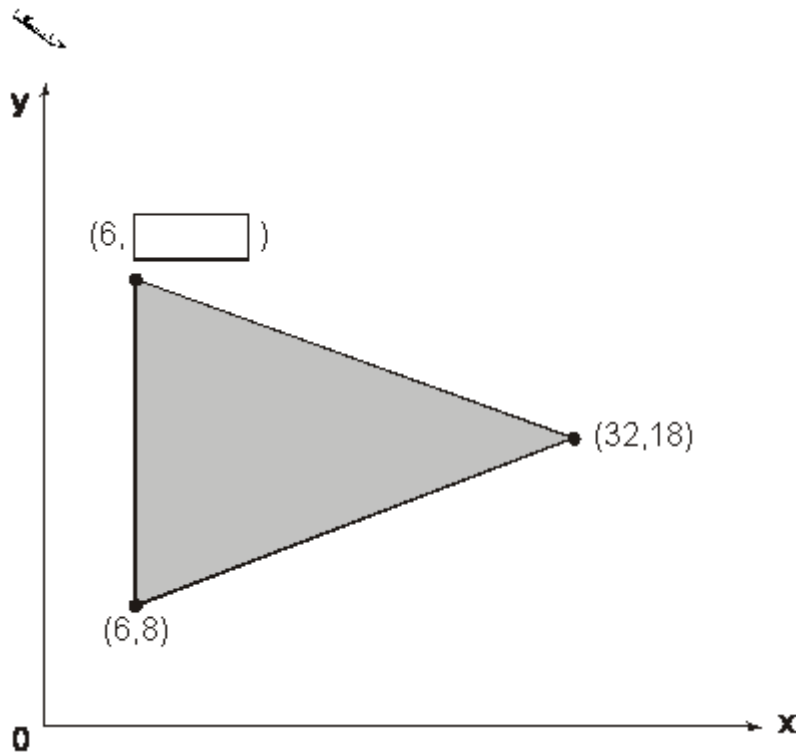
What are the **co-ordinates** of the **point D**?

1 mark

(      ,      )

**Q20.** The shaded shape is an **isosceles** triangle.

Write in the missing co-ordinate.



1 mark