

(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)

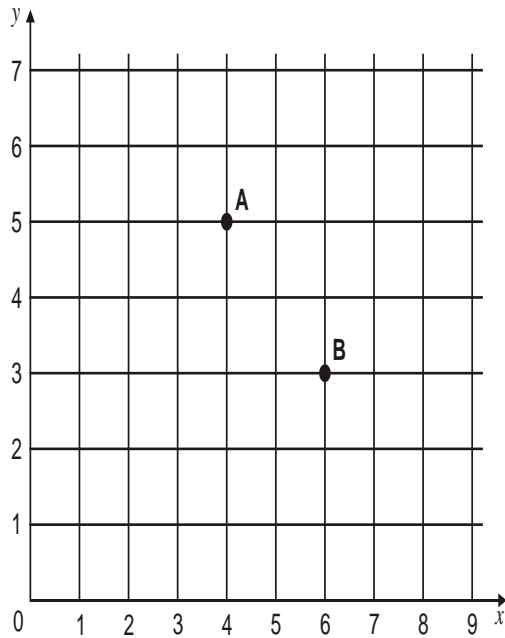
1 mark

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

1 mark

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

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



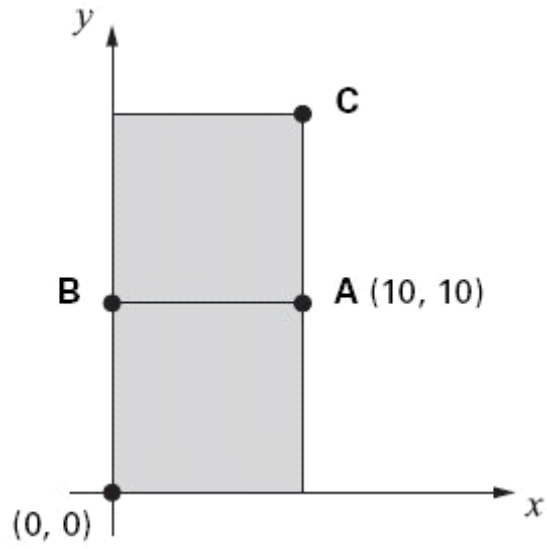
D is the point (3, 4)

Write the coordinates of point **C**.

A pencil icon pointing to a rectangular box containing a coordinate pair template: (;)

1 mark

3. The diagram shows two identical squares.



A is the point (10,10)

What are the coordinates of B and C?



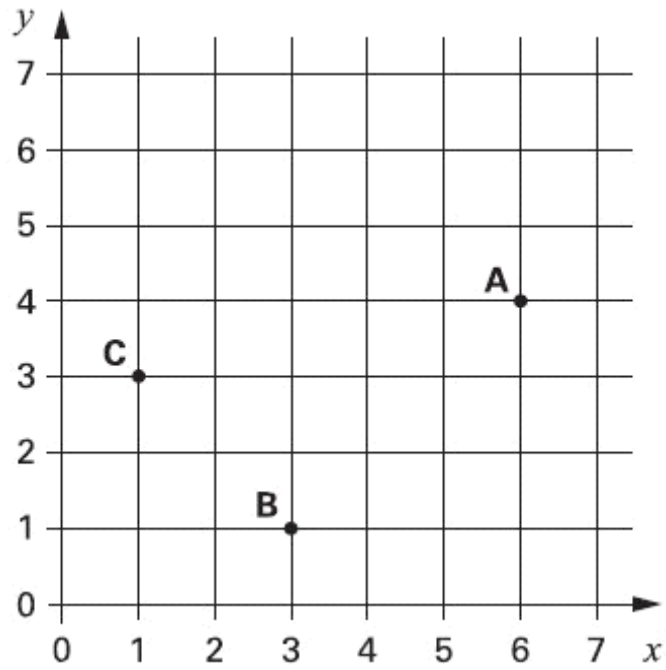
B is

1 mark

C is

1 mark

4.



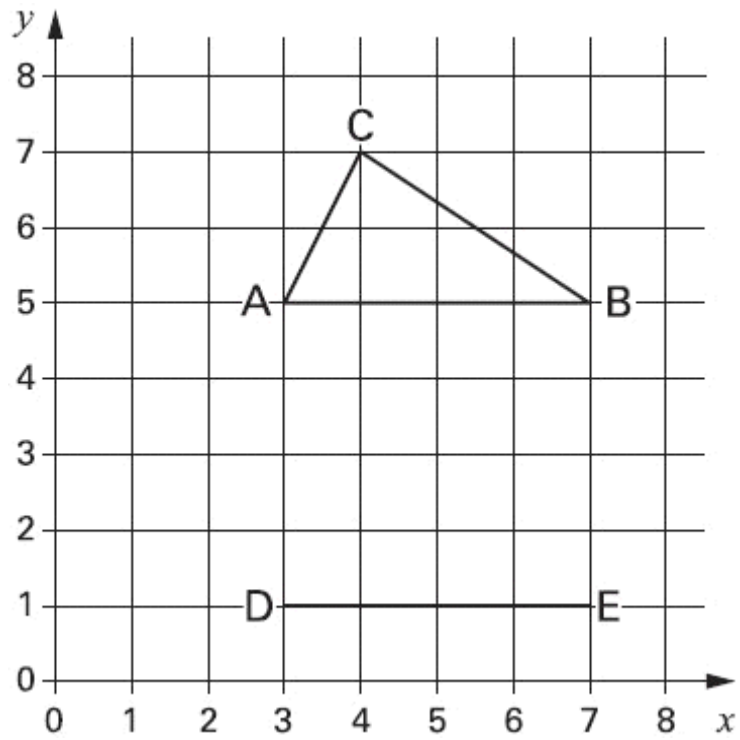
A, B and C are three corners of a rectangle.

What are the coordinates of the fourth corner?

(,)

1 mark

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



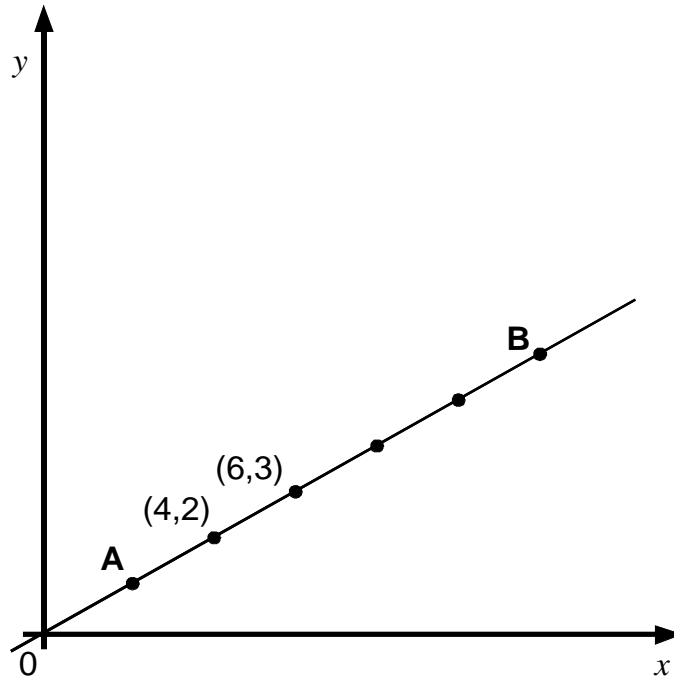
Holly has started to draw an **identical** triangle **DEF**.

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

() ,

1 mark

6. 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.



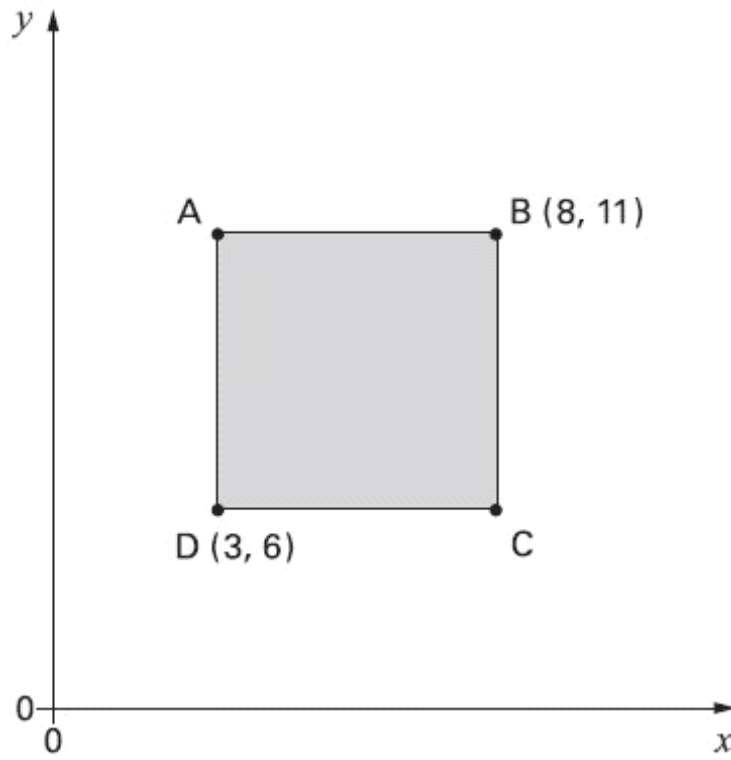
.....

.....


.....

1 mark

7. Here is a shaded square.

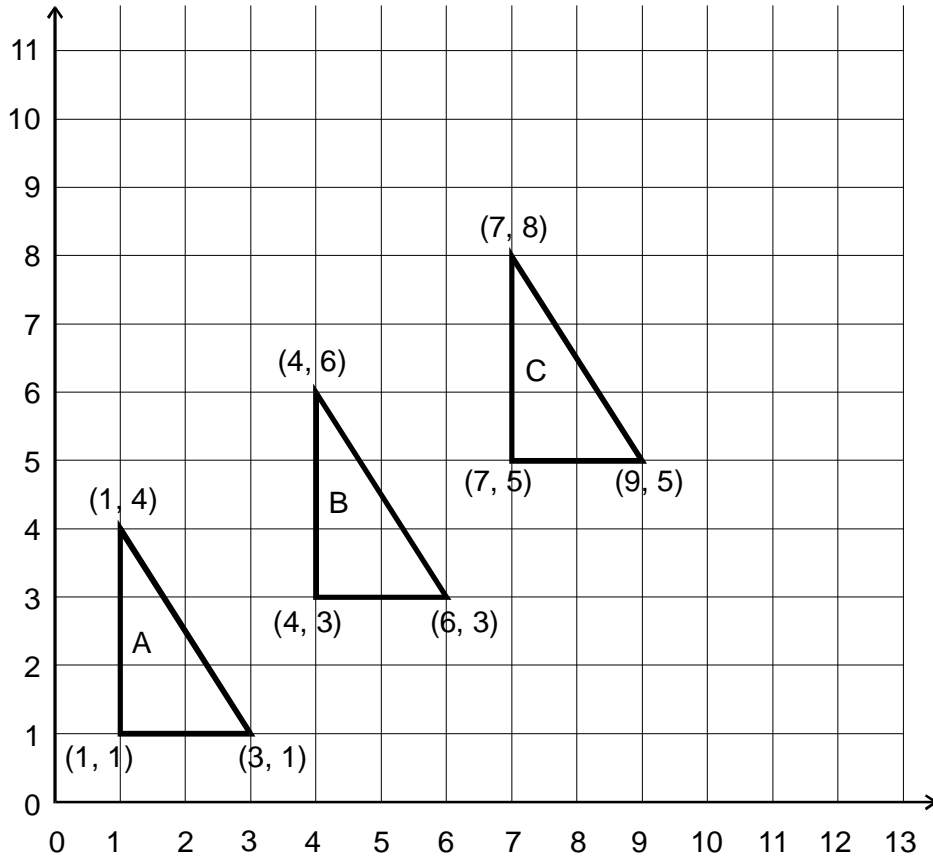


Write the coordinates for point A.

 A =

1 mark

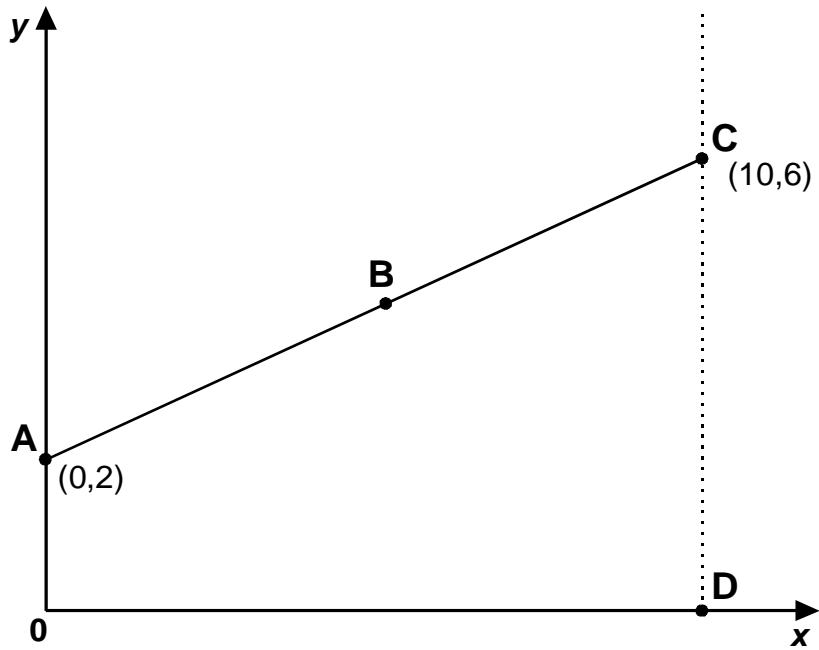
8.



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

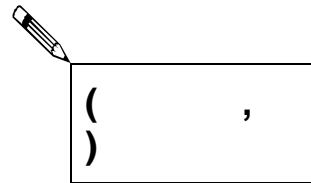
1 mark

9. Here is a graph



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

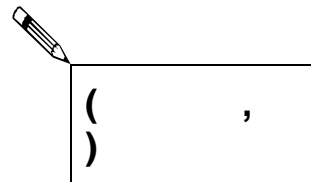
What are the **co-ordinates** of the **point B**?



1 mark

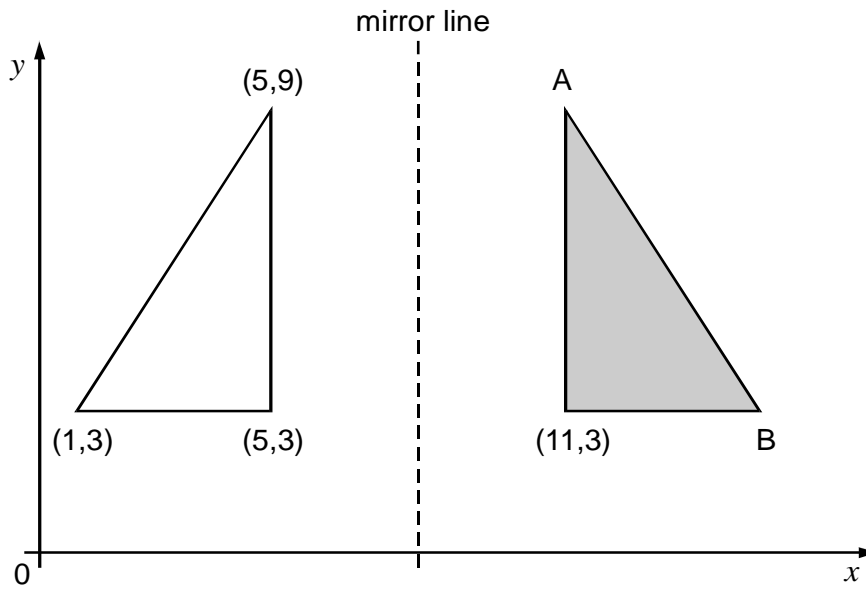
Point **D** is directly below point **C**.

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



1 mark

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



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

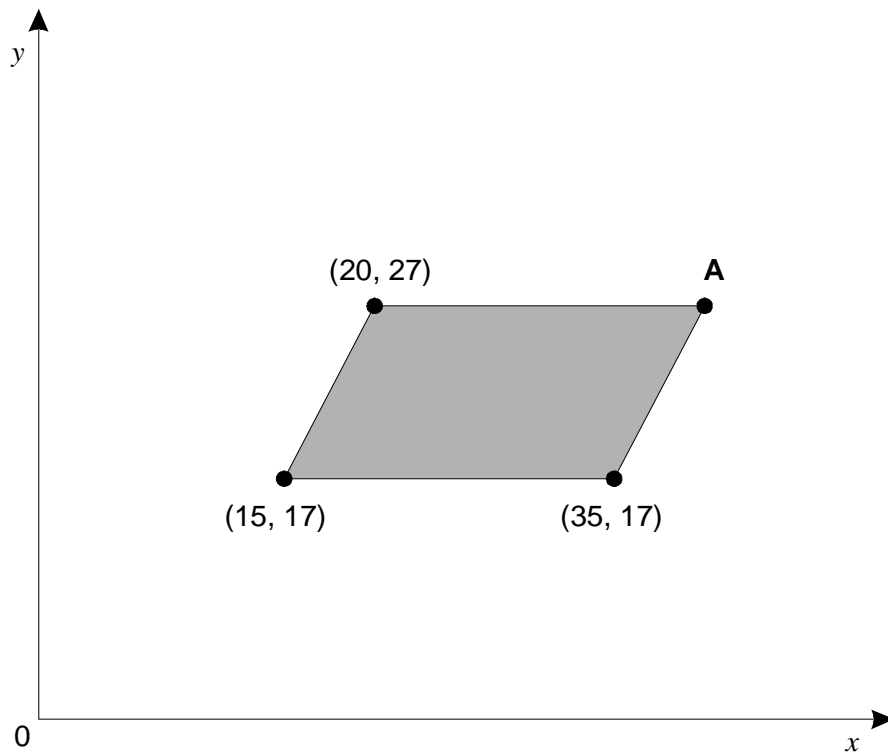


A is (,)

B is (,)

2 marks

11. The shaded shape is a parallelogram.



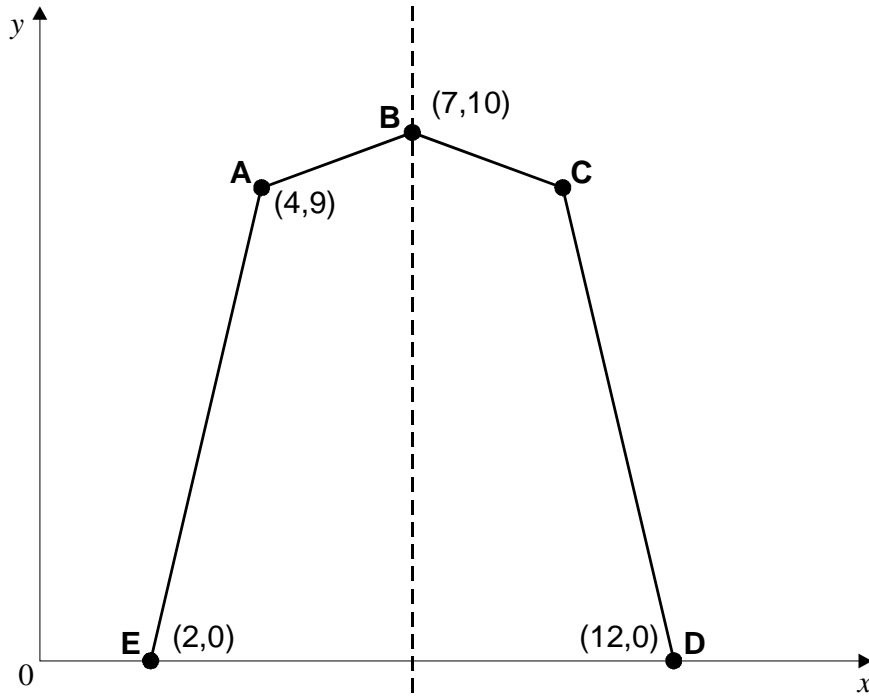
Write in the coordinates of point **A**.

(,)


1 mark

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

The pentagon is symmetrical.

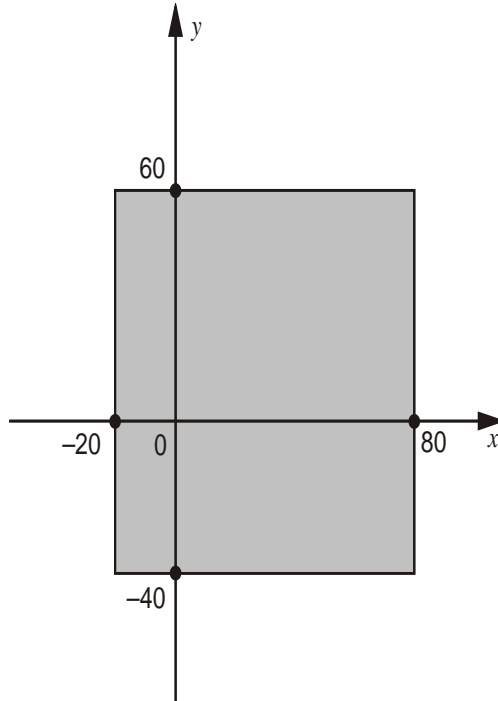


What are the coordinates of point **C**?



1 mark

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



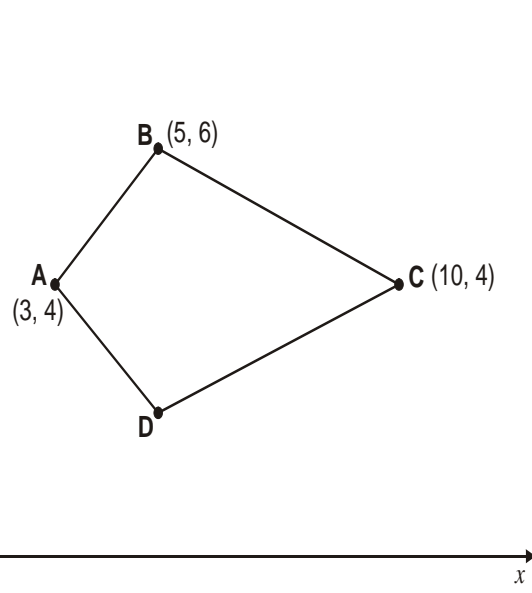
For each of these points, put a tick (✓) to show if it is inside the square or outside the square.



	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

14. Here is a kite.



Write the coordinates of point **D**.

() ,

1 mark