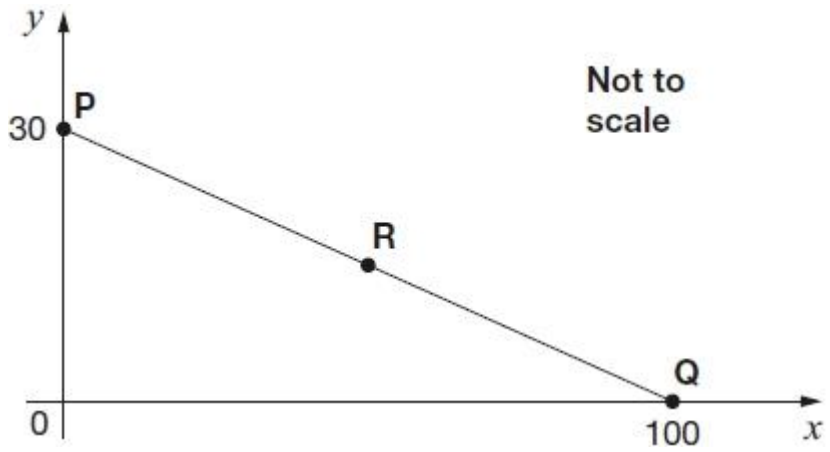
Q1.

In this diagram **R** is an equal distance from **P** and **Q**.



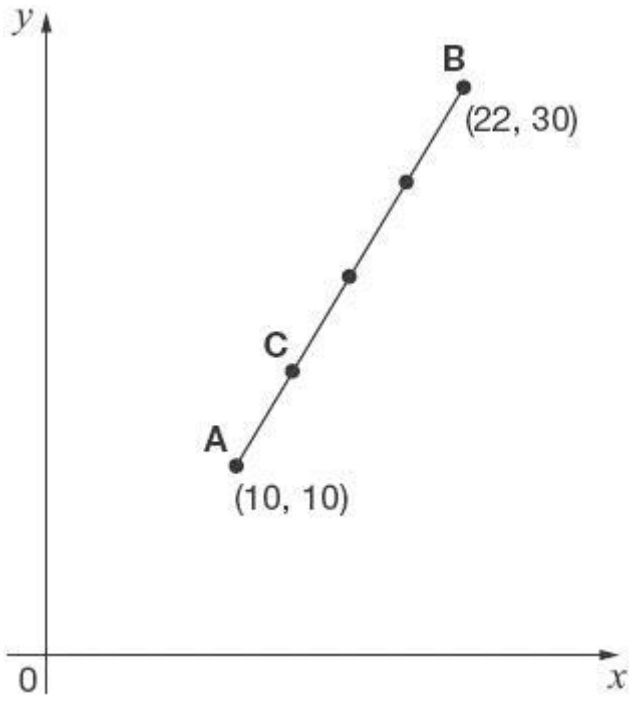
What are the coordinates of **R**?

R = (,)

1 mark

Q2.

A and **B** are joined by a straight line on coordinate axes.



The dots on the line are equally spaced.

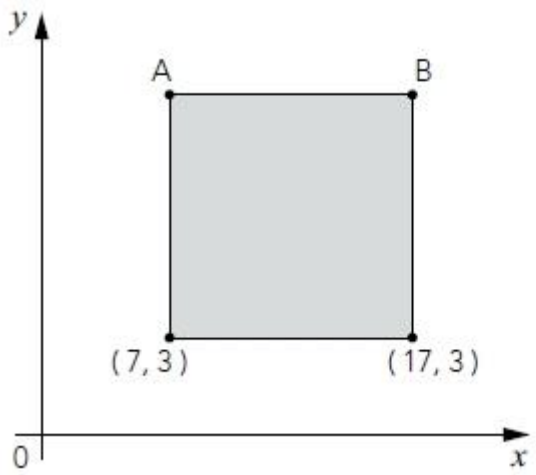
What are the coordinates of **C**?

C is (,)

2 marks

Q3.

The shaded shape is a **square**.



Not drawn accurately

What are the coordinates of A and B?

A is (,)

1 mark

B is (,)

1 mark

Q4.

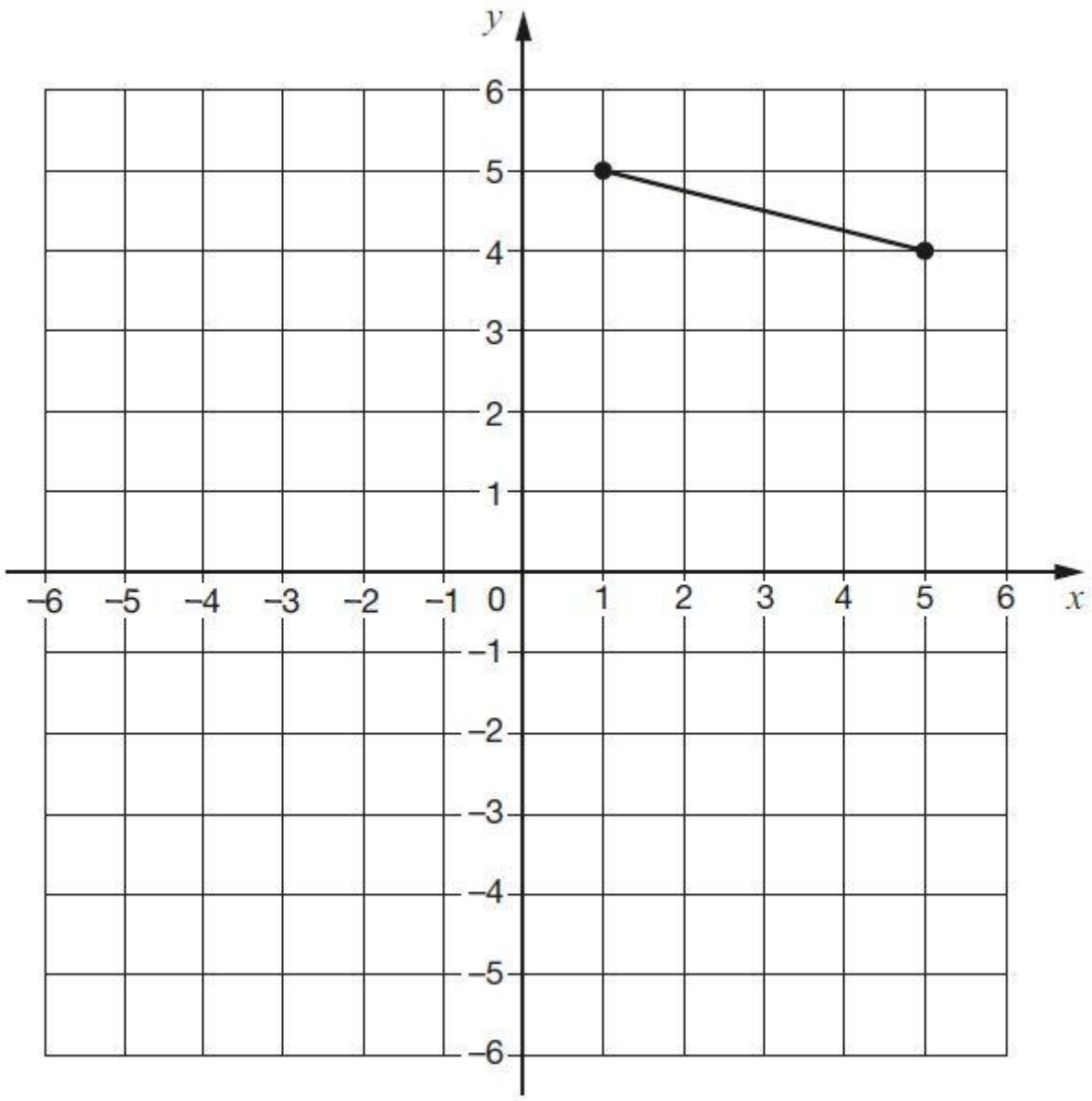
The vertices of a quadrilateral have these coordinates.

(1, 5) (5, 4) (1, −3) (−3, 4)

One side of the quadrilateral has been drawn on the grid.

Complete the quadrilateral.

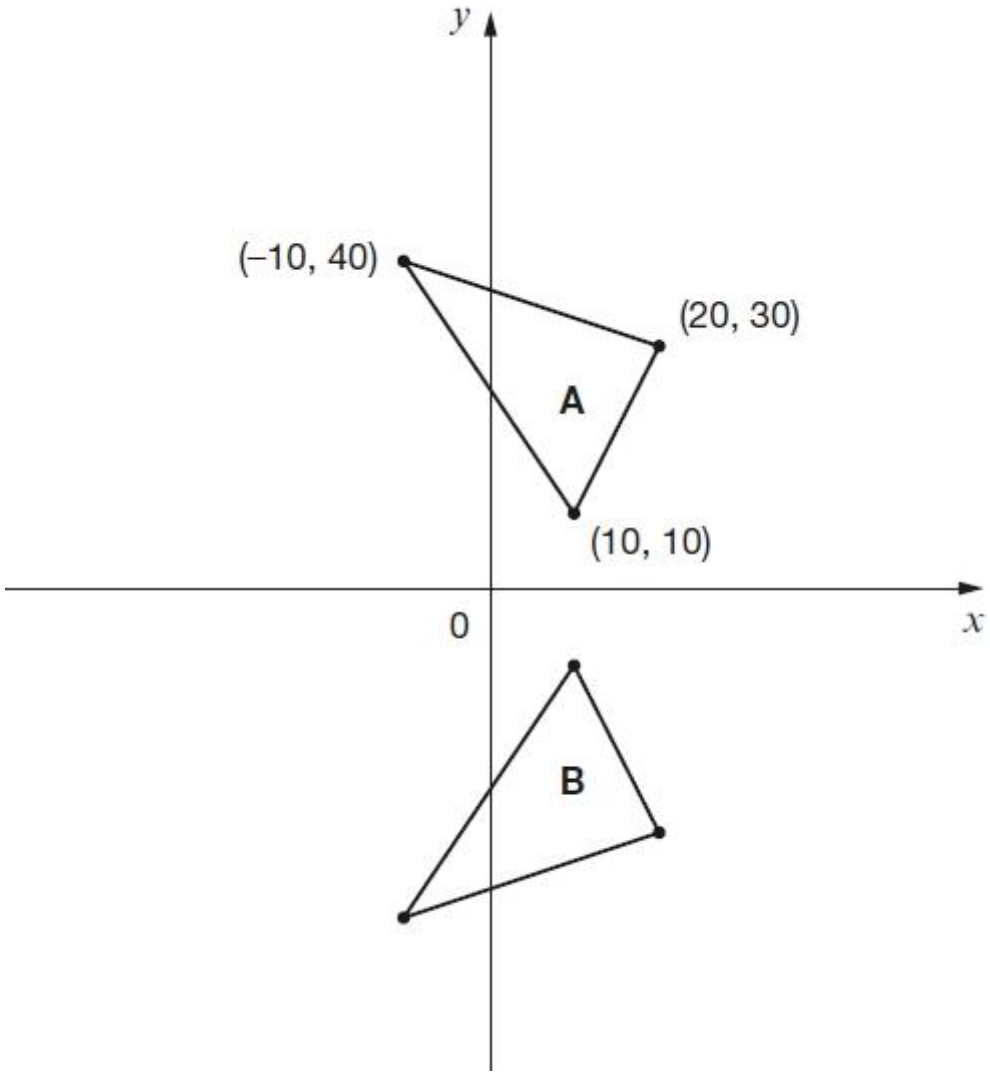
Use a ruler.



1 mark

Q5.

Here are two triangles drawn on coordinate axes.



Triangle B is a reflection of triangle A in the x-axis.

Two of the new vertices of triangle B are (10, −10) and (20, −30).

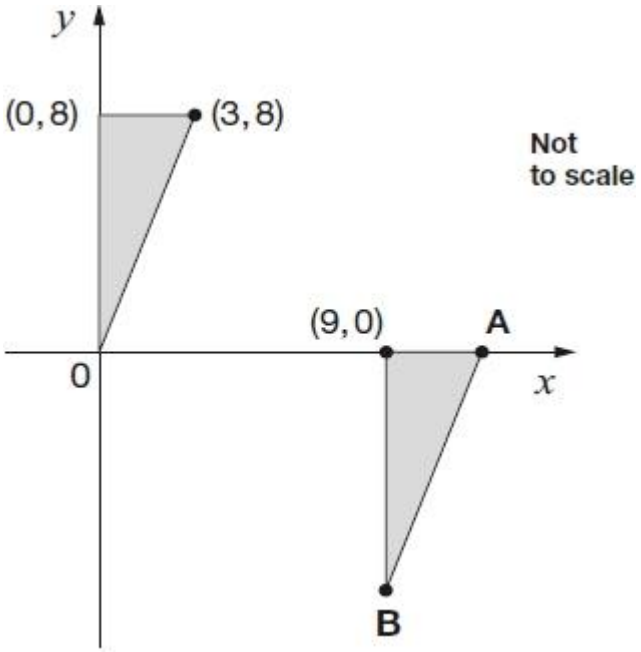
What are the coordinates of the **third** vertex of triangle B?

(,)

1 mark

Q6.

Here are two **identical** shaded triangles on coordinate axes.



Write the coordinates of points A and B.

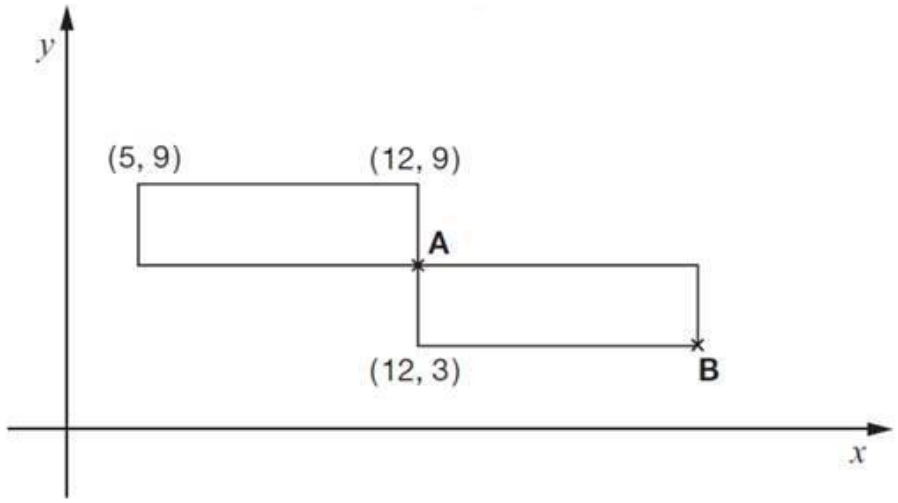
A = (,)

B = (,)

2 marks

Q7.

This diagram shows two **identical** rectangles on coordinate axes.



Write the **coordinates** of point **A** and point **B**.

A is (,)

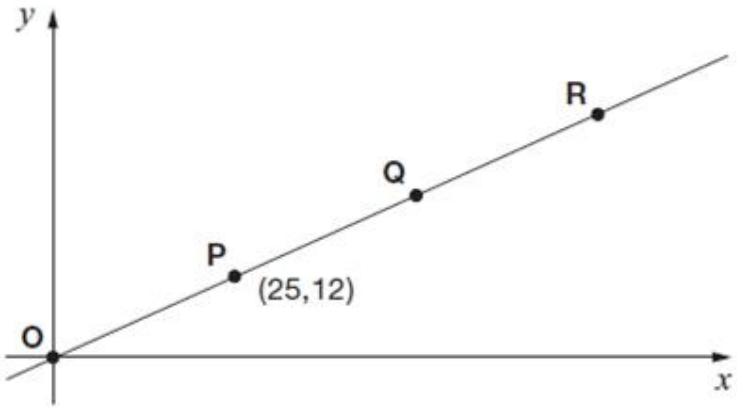
1 mark

B is (,)

1 mark

Q8.

Here is a line on coordinate axes.



Points **O**, **P**, **Q** and **R** are equally spaced.

The coordinates of **P** are (25,12).

What are the coordinates of **R**?

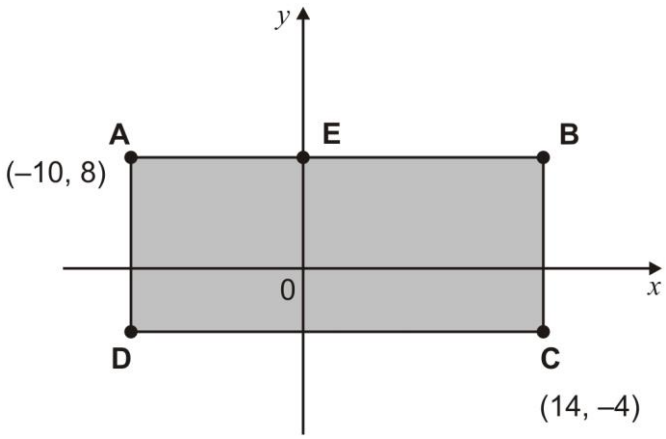
R = (,)

1 mark

Q9.

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 (,)

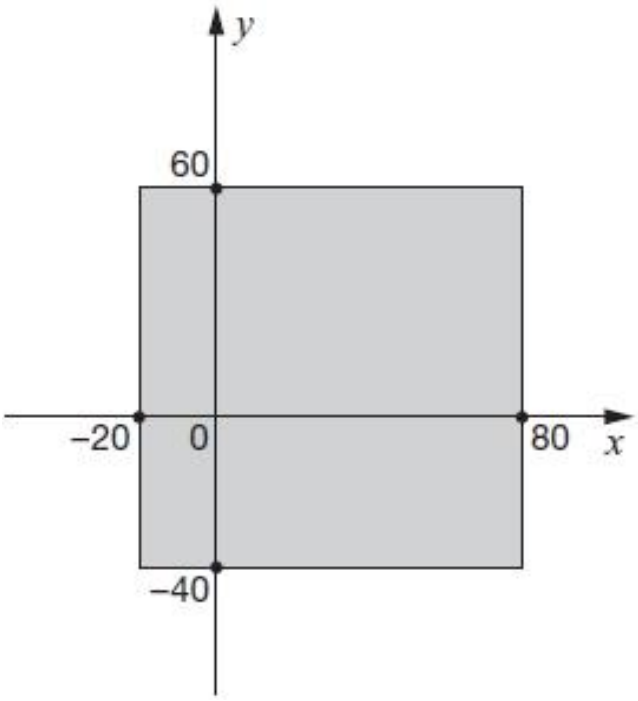
1 mark

E is (,)

1 mark

Q10.

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) ☐ ☐

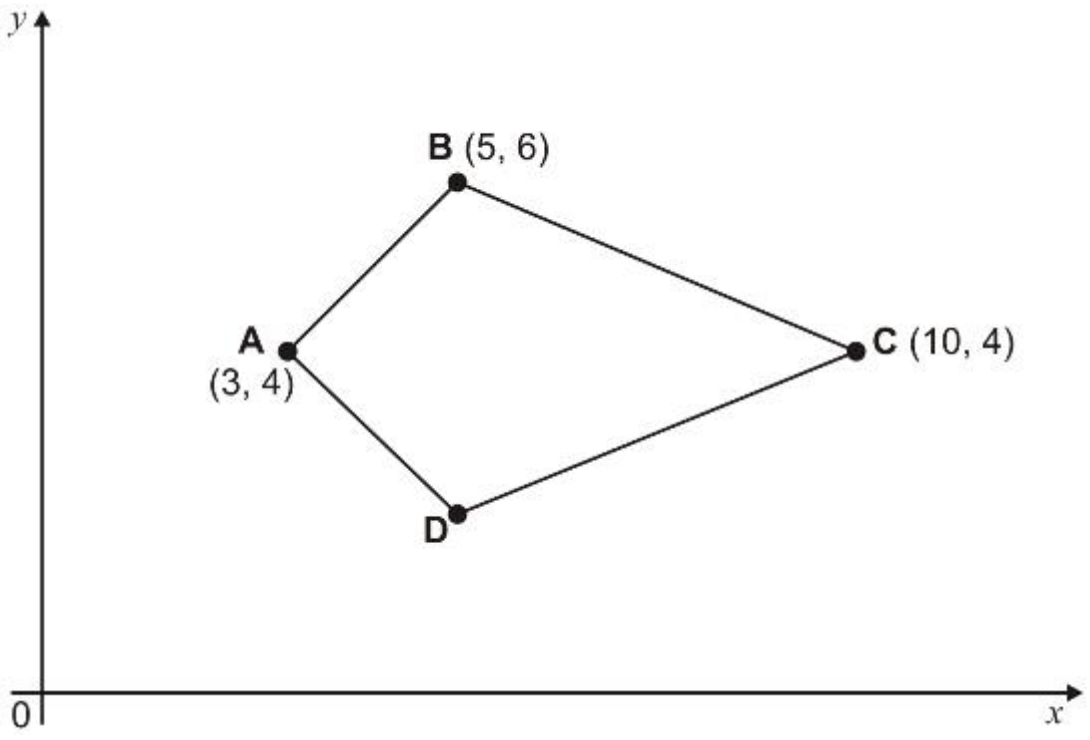
(–10, 50) ☐ ☐

(–30, –30) ☐ ☐

2 marks

Q11.

Here is a kite.



Write the coordinates of point **D**.

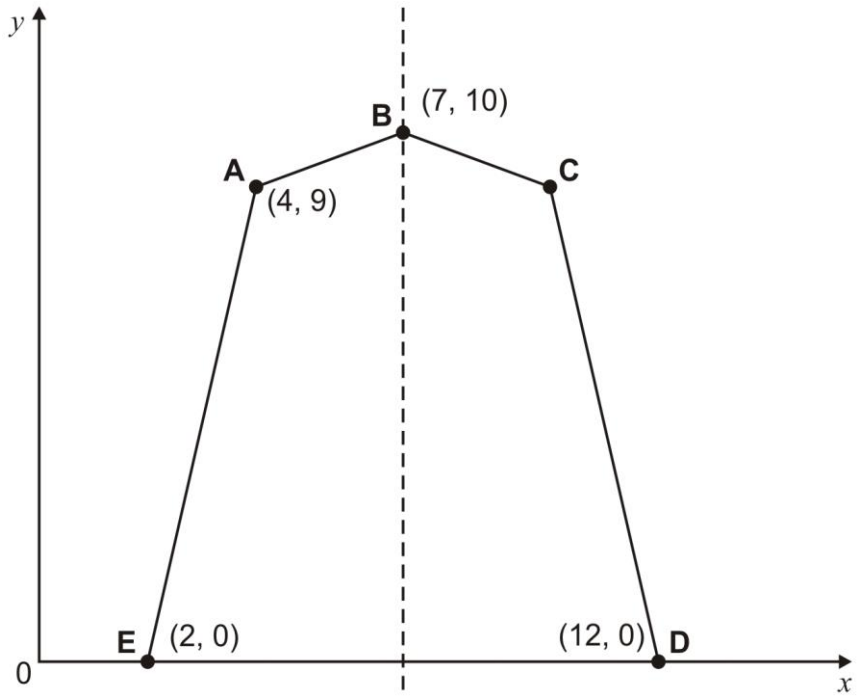
(,)

1 mark

Q12.

Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.



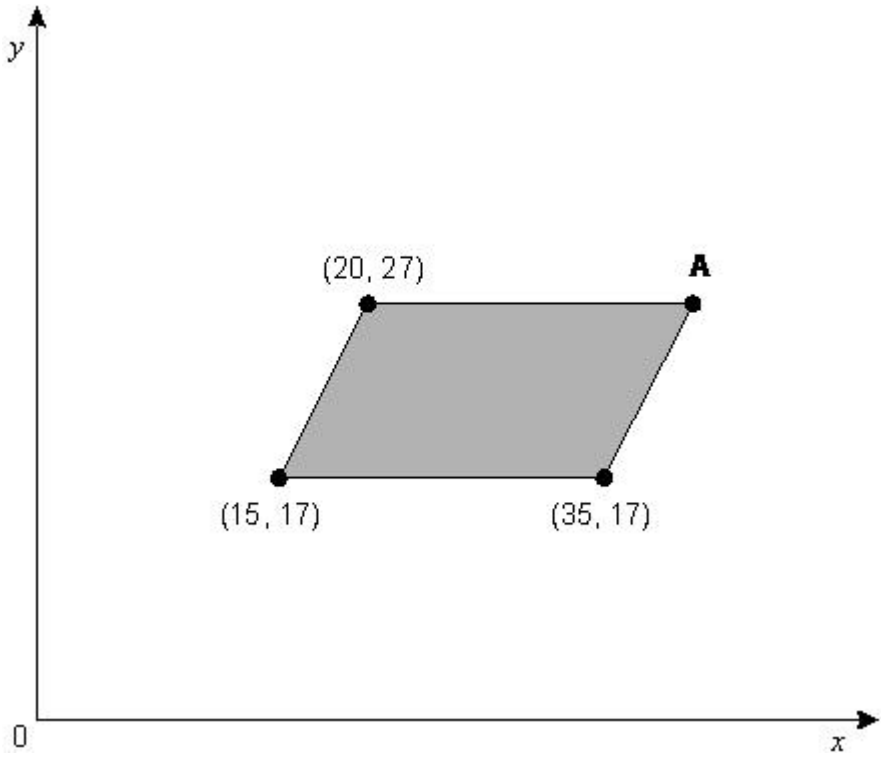
What are the coordinates of point **C**?

(,)

1 mark

Q13.

The shaded shape is a parallelogram.

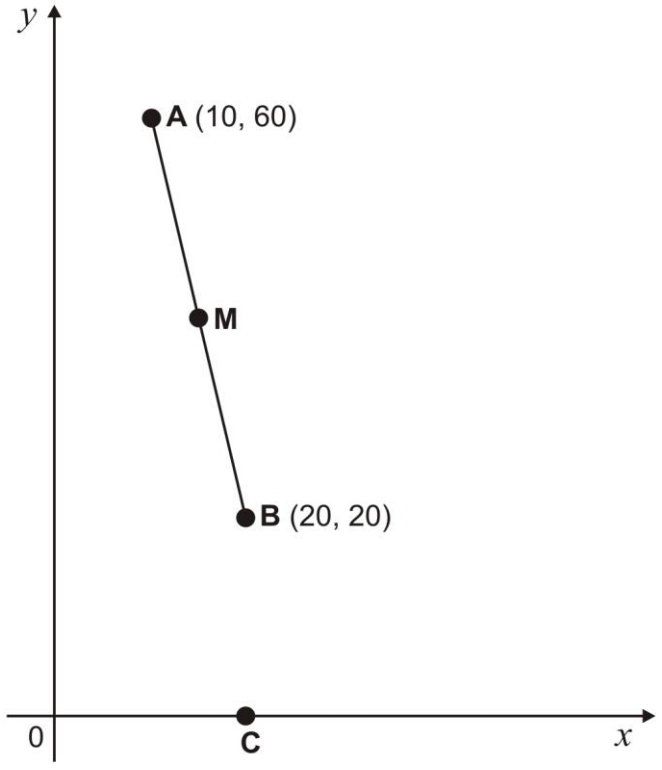


Write in the coordinates of point **A.**

(,)

1 mark

Q14.



A is the point **(10, 60)**

B is the point **(20, 20)**

M is the midpoint of line AB.

Write the coordinates of **M**.

(,)

1 mark

C is on the x-axis, directly **below B**.

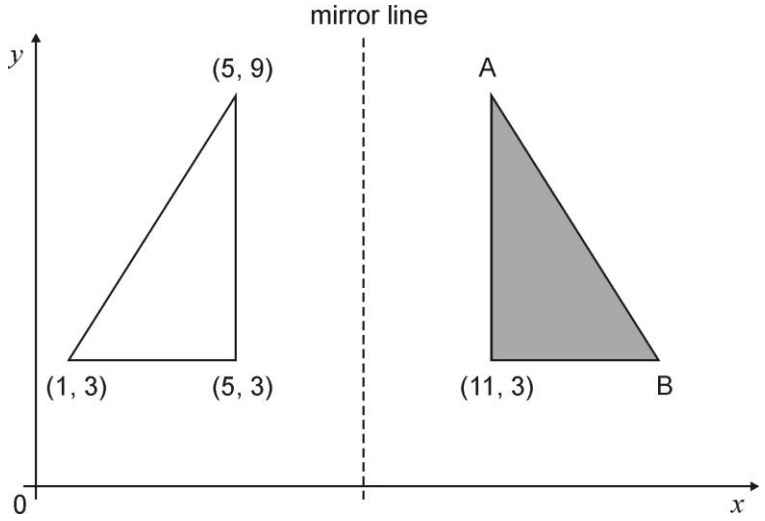
Write the coordinates of **C**.

(,)

1 mark

Q15.

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



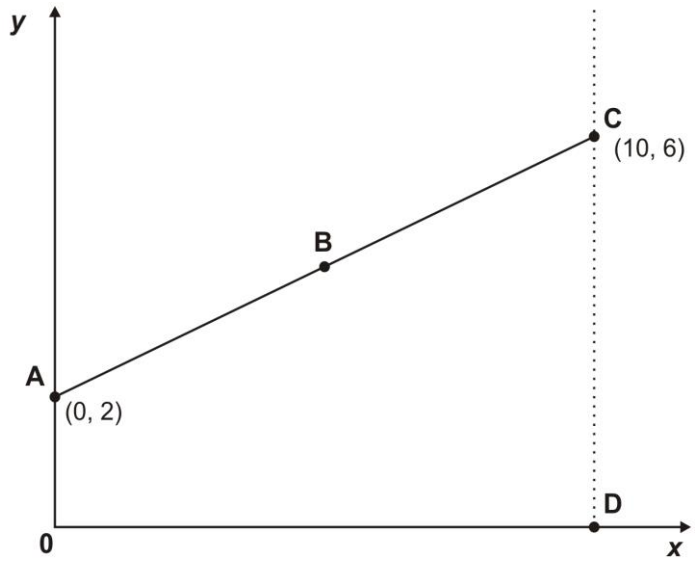
Write the **co-ordinates** of point **A** and point **B**.

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

2 mark

Q16.

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**?

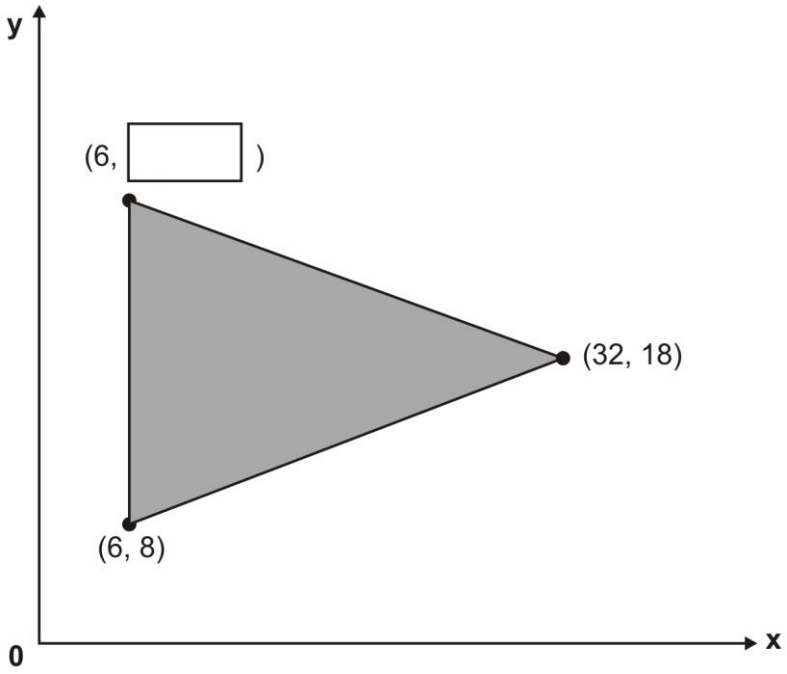
(,)

1 mark

Q17.

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

Write in the missing co-ordinate.



1 mark