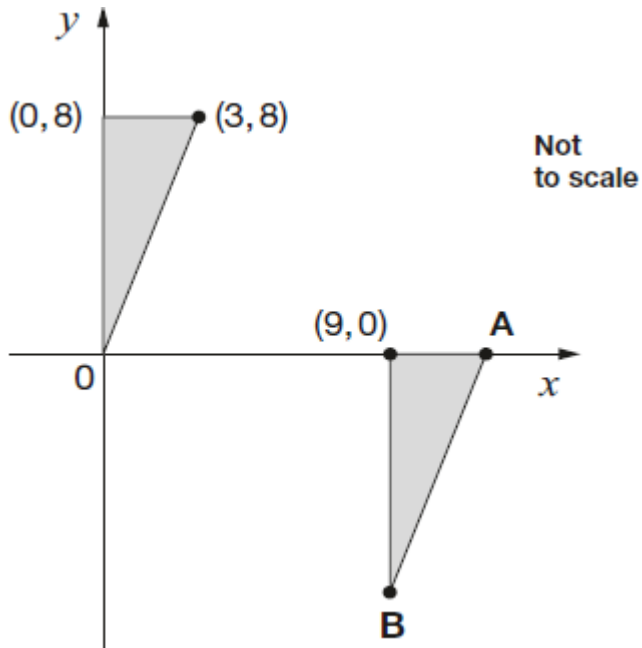


Name \_\_\_\_\_

Date \_\_\_\_\_

LO: to calculate missing coordinates.

**Q1.** Here are two **identical** shaded triangles on coordinate axes.



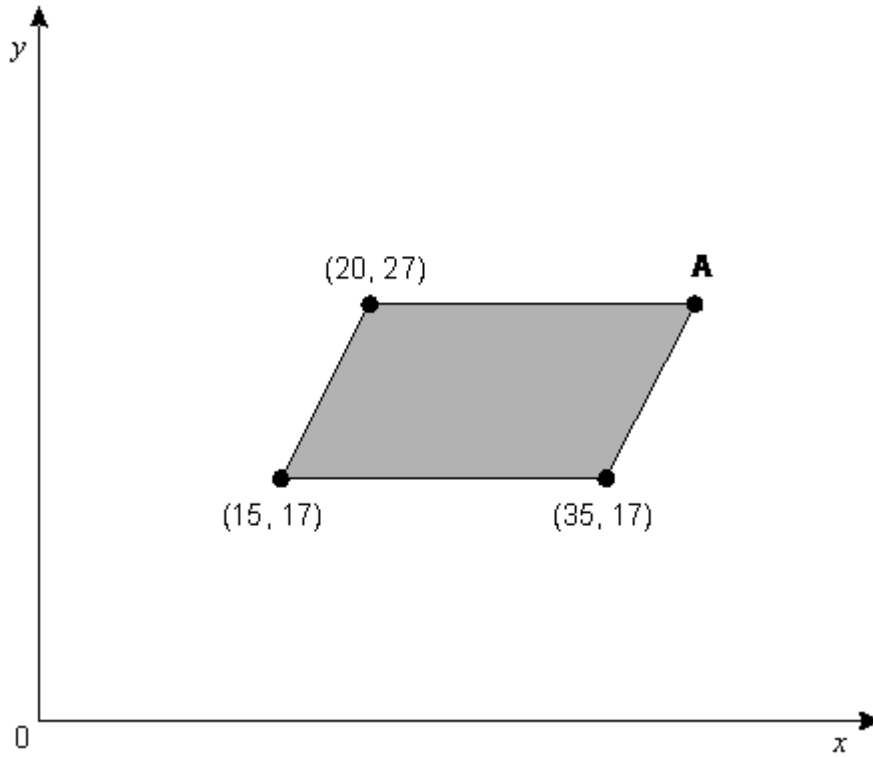
Write the coordinates of points A and B.

A =

B =

2 marks

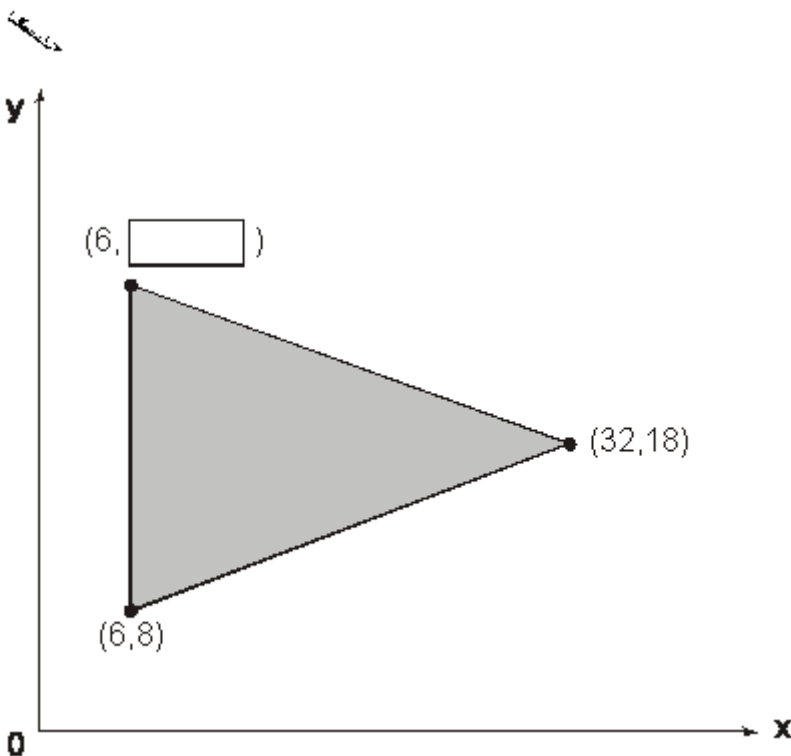
**Q2.** The shaded shape is a parallelogram.



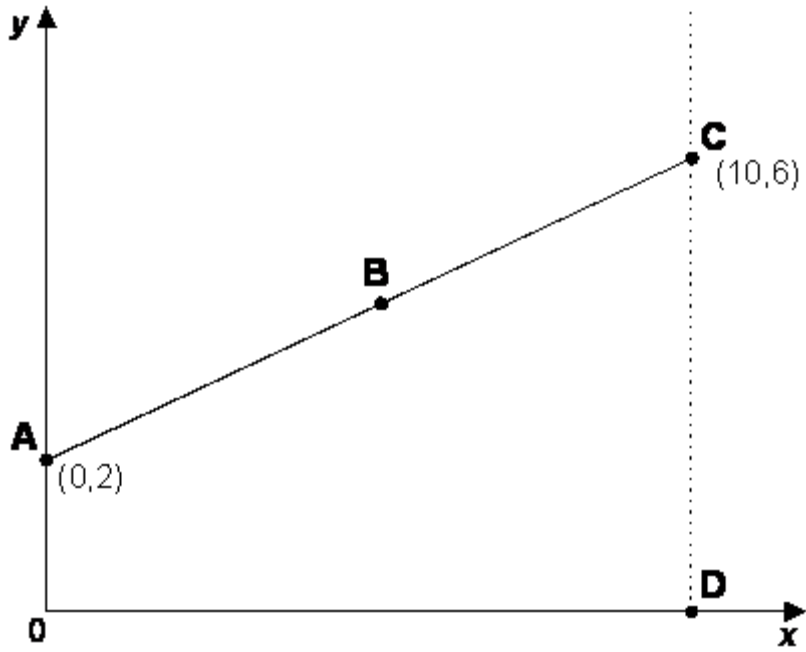
Write in the coordinates of point **A**.

**Q3.** The shaded shape is an **isosceles** triangle.

Write in the missing co-ordinate.



Q4. Here is a graph



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

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

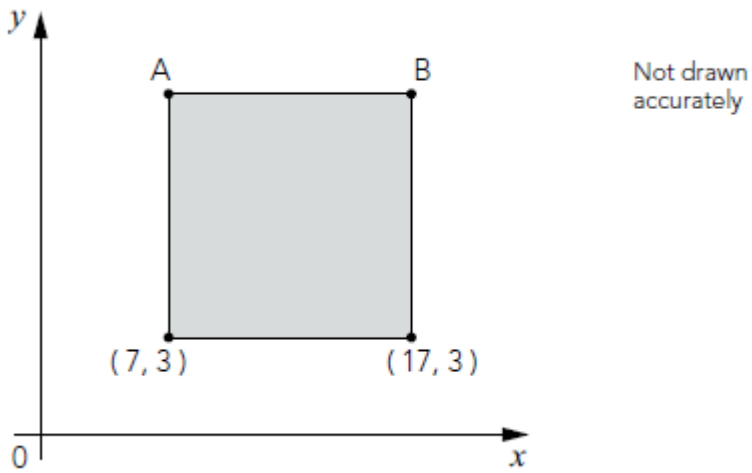
1 mark

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


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

1 mark

**Q5.** The shaded shape is a **square**.



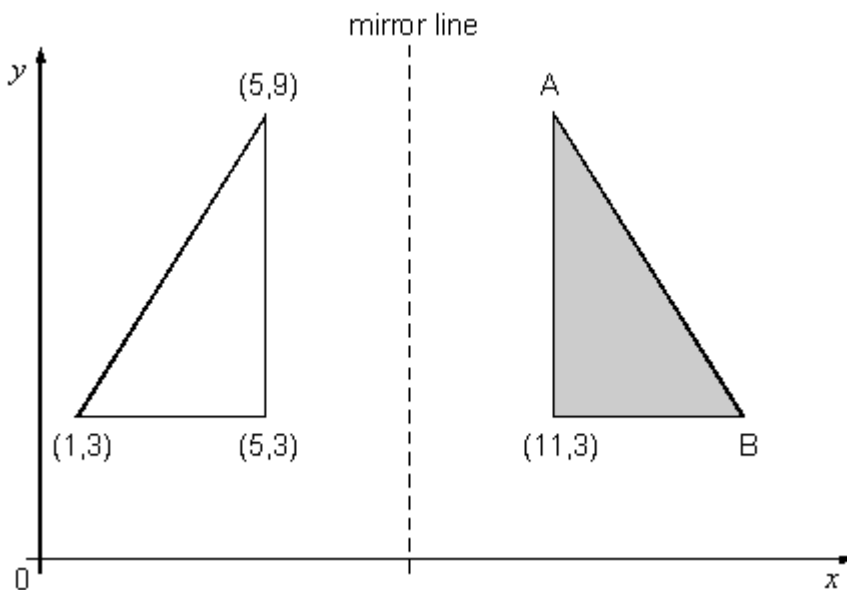
What are the coordinates of A and B?

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


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

2 marks

**Q6.** The shaded triangle is a reflection of the white triangle in the mirror line.



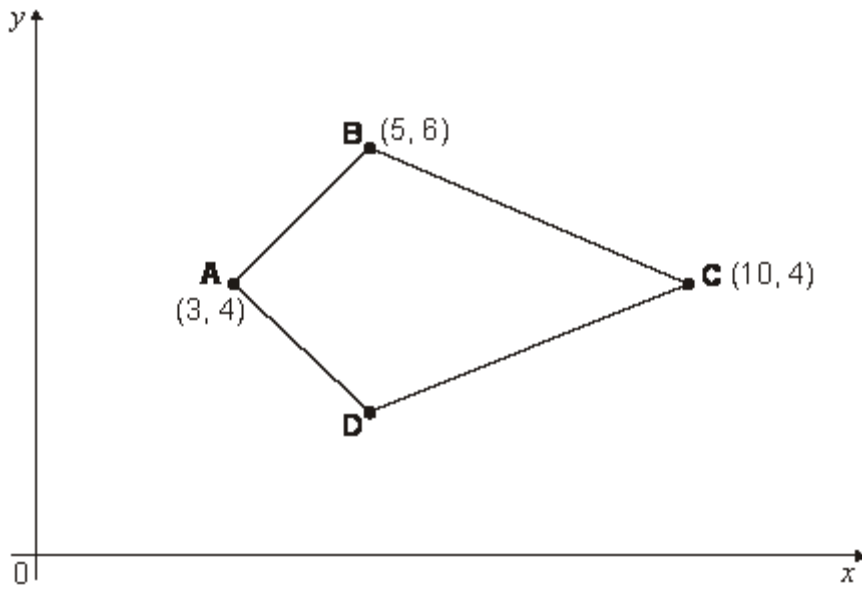
Write the **co-ordinates** of point **A** and point **B**.

 A is

B is

2 marks

**Q7.** Here is a kite.

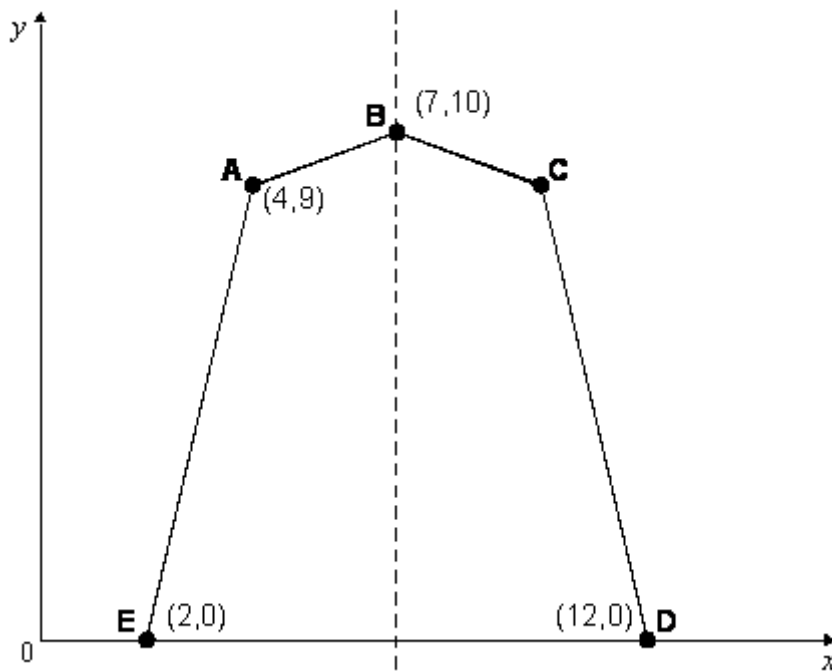


Write the coordinates of point **D**.

1 mark

**Q8.** Here is a pentagon drawn on a coordinate grid.

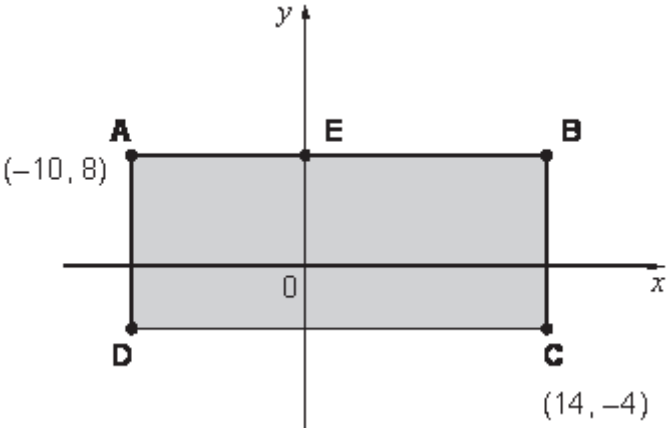
The pentagon is symmetrical.



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

**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**?

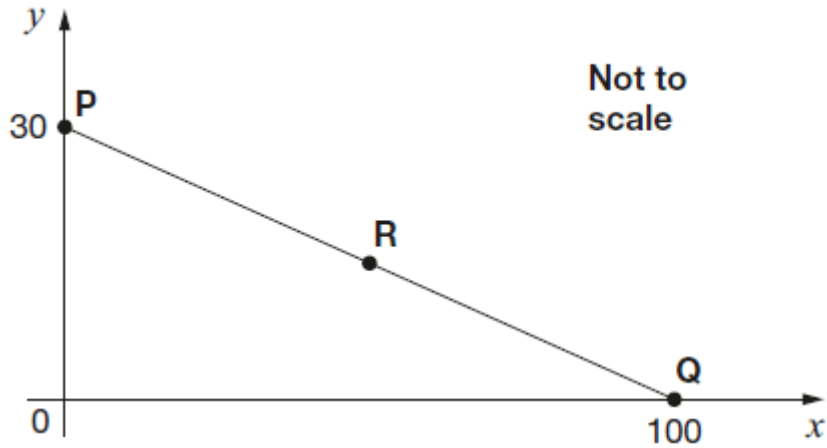
*Handwritten mark* **D** is

1 mark


*Handwritten mark* **E** is

1 mark

**Q10.** In this diagram **R** is an equal distance from **P** and **Q**.

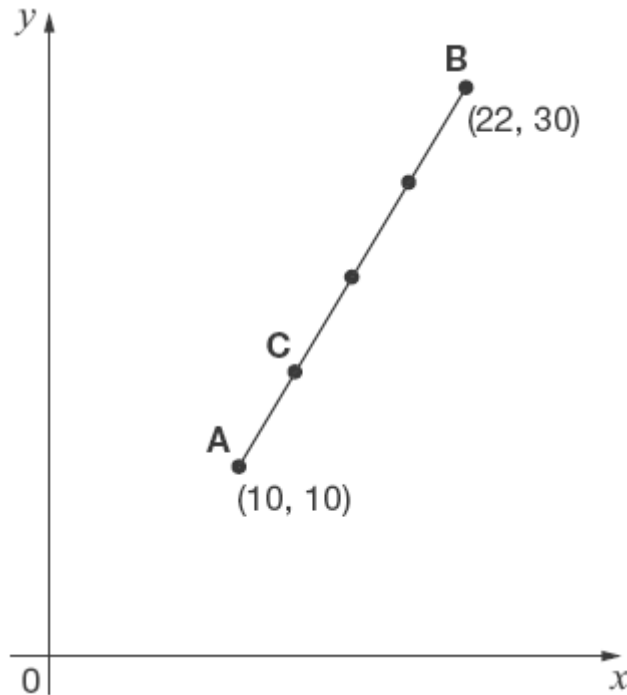


What are the coordinates of **R**?

 **R** =


1 mark

**Q11.** **A** and **B** are joined by a straight line on coordinate axes.



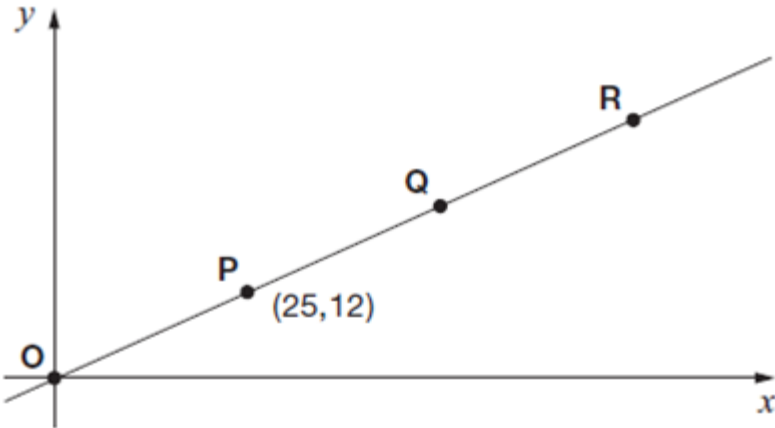
The dots on the line are equally spaced.

What are the coordinates of **C**?

 **C** is

2 marks

**Q12.** Here is a line on coordinate axes.



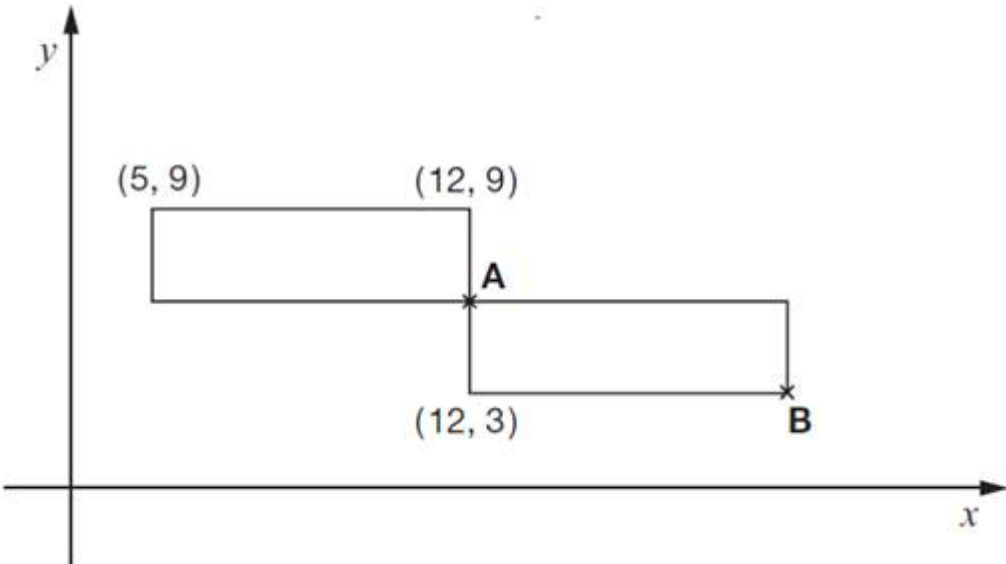
Points **O**, **P**, **Q** and **R** are equally spaced.

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

What are the coordinates of **R**?

**R** = (            ,            )

**Q13.** This diagram shows two **identical** rectangles on coordinate axes.



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

**A** is (..... , .....)



1 mark

**B** is (..... , .....)





**M1.(a)** (12, 0)

*Accept unambiguous answers written on the diagram.*

1

(b) (9, -8)

*If the answer to (a) is (9, -8) **AND** the answer to (b) is (12, 0) then award **ONE** mark for (b).*

1

[2]

**M2.** (40, 27)

*Coordinates must be written in the correct order.  
Accept unambiguous answers written on the diagram.*

[1]

**M3.** 28

[1]

**M4.** (a) (5, 4)

*Both co-ordinates must be correct and in the correct order.  
Accept unambiguous answers written on the diagram  
(with or without brackets or commas).*

1

(b) (10, 0)

*Both co-ordinates must be correct and in the correct order.  
Accept unambiguous answers written on the diagram*

*(with or without brackets or commas).*

1

[2]

**M5.** Indicates correct coordinates for both points, ie A as (7, 13) and B as (17, 13)

2

*or*

Indicates correct coordinates for one point

*or*

Transposes the responses, ie A as (17, 13) and B as (7, 13)

*or*

The only error is to indicate incorrect, but consistent, y ordinates, provided  $y > 3$

eg

- A as (7, 12) and B as (17, 12)

1  
U2

[2]

**M6.** (a) (11,9)

1

(b) (15,3)

*Accept answers written on the diagram with or without brackets and commas. Co-ordinates must be in the correct order.*

1

[2]

**M7.** (5, 2)

*Coordinates must be in the correct order.  
Accept unambiguous answers written on the diagram.*

[1]

**M8.** (10, 9)

***Coordinates must be in the correct order.***  
*Accept unambiguous answers written on the diagram.*

[1]

**M9.** (a) (-10, -4)

*Coordinates must be written in the correct order.*

1

(b) (0, 8)

*Accept unambiguous answers written on the diagram.  
Award **ONE** mark if the answer to (a) is (0, 8)  
**AND** the answer to b is (-10, -4).*

1

[2]

**M10.**(50, 15)

[1]

**M11.** (a) 13 for the  $x$  coordinate

*Accept unambiguous answers written on the diagram.*

U1

(b) 15 for the y coordinate

*Accept unambiguous answers written on the diagram.*

1

*If the answer to (a) is 15 **AND** the answer to (b) is 13, then award **ONE** mark for (b).*

[2]

**M12.** ( 75, 36 )

*Accept unambiguous answers written on the diagram.*

[1]

**M13.(a)** A is (12, 6)

1

(b) B is (19, 3)

1

*Coordinates must be given in the correct order.*

*If the answer to (a) is (19, 3) **AND** the answer to (b) is (12, 6) then award **ONE** mark for (b)*

*Accept unambiguous answers written on the diagram.*

[2]