

Coordinates- Questions

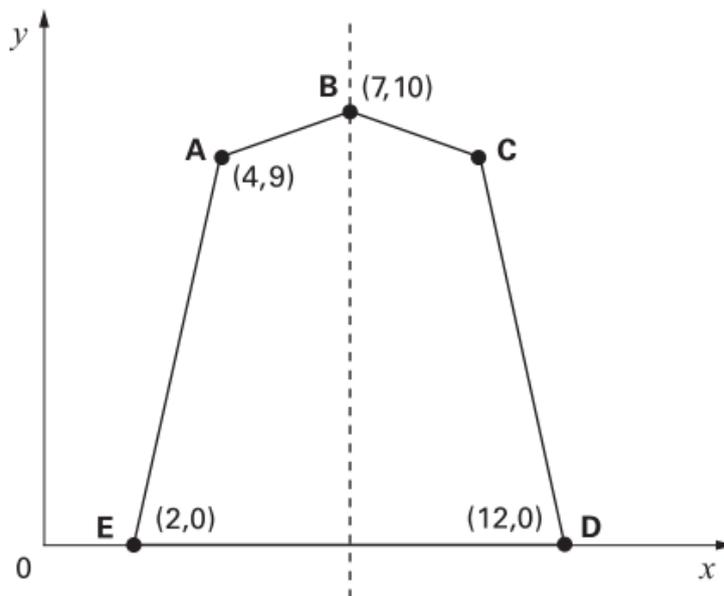
Key Stage 2: 2003 Paper A

1.

23

Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.



What are the coordinates of point C?





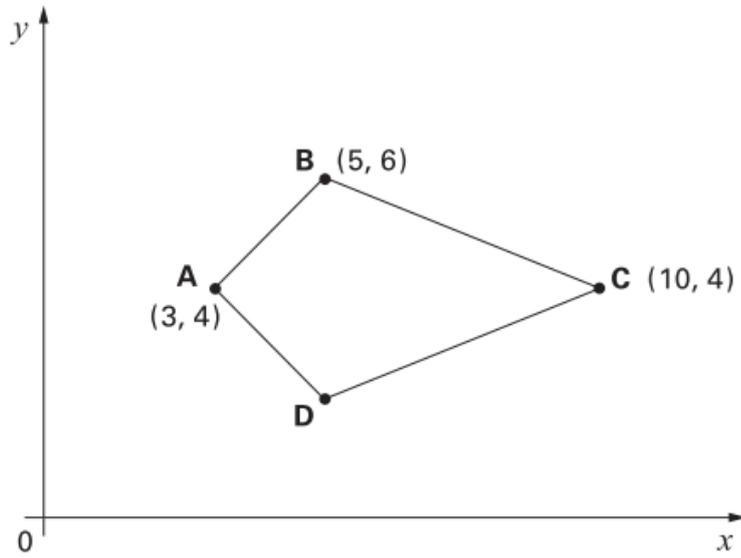
23

1 mark

1.

20

Here is a kite.



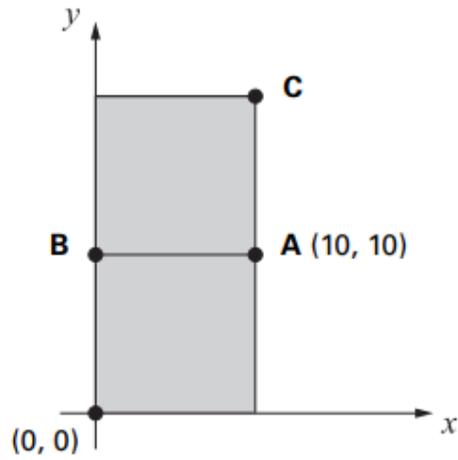
Write the coordinates of point D.



1.

15

The diagram shows two identical squares.



A is the point (10, 10)

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



B is

C is

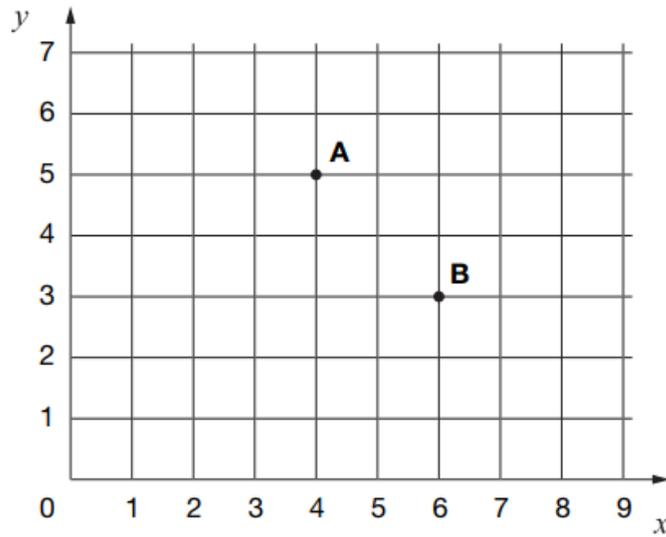
15a
1 mark

15b
1 mark

1.

9 **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)

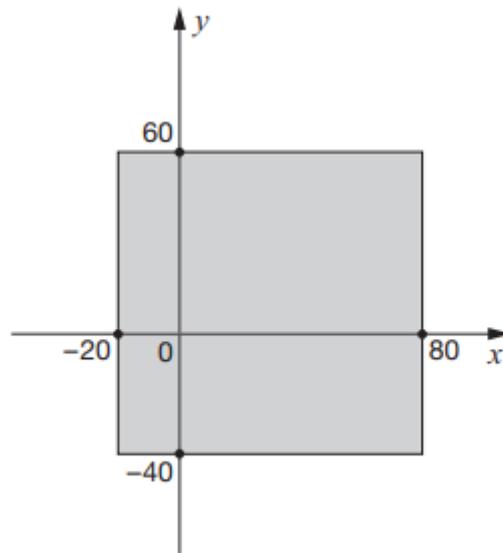
Write the coordinates of point **C**.



9
1 mark

1.

19 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"/>

19i

 19ii

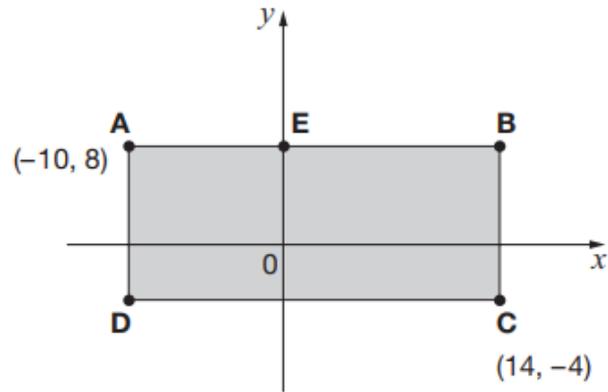
 2 marks

1.

23

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

23a

1 mark

E is

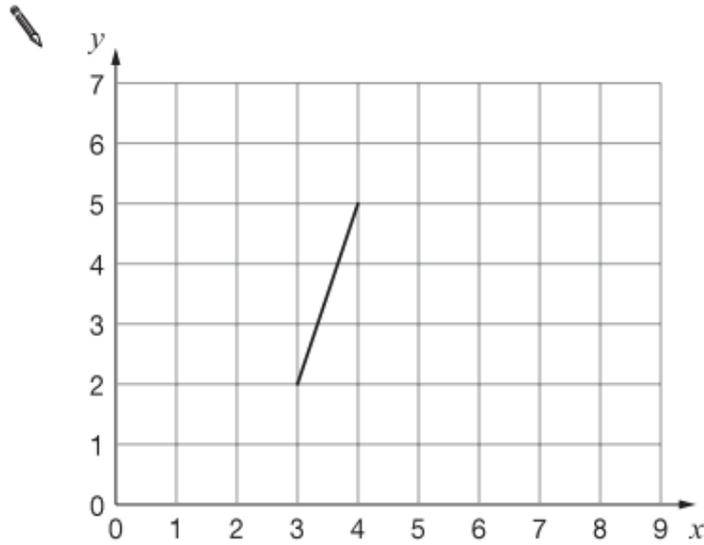
23b

1 mark

1.

14

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



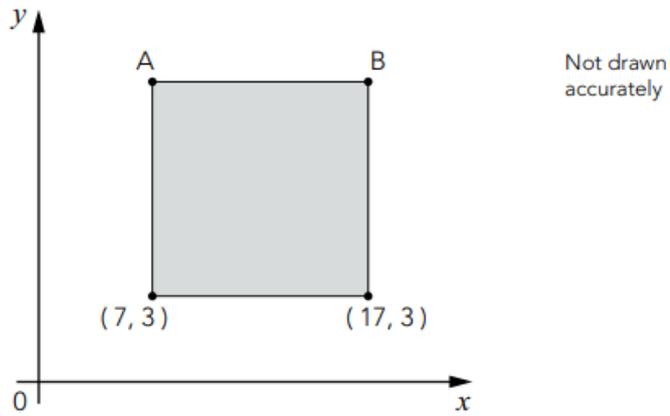
The square has a vertex at (6, 1).

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

Use a ruler.

1.

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



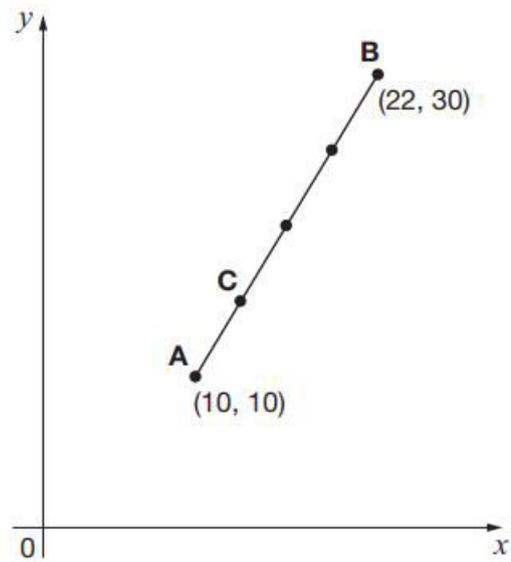
What are the coordinates of A and B?

 A (_____ , _____) B (_____ , _____) (2 marks)

1.

23

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

23a

1 mark

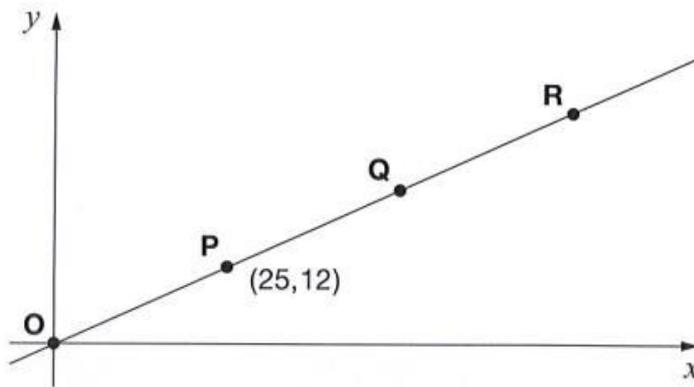
23b

1 mark

1.

24

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** =

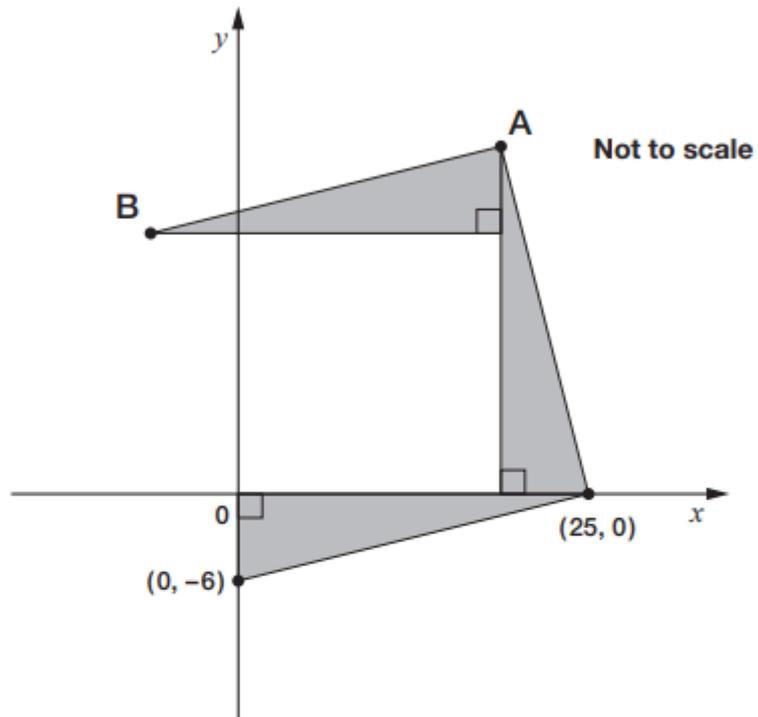
24

1 mark

1.

12

The diagram shows three **identical** shaded triangles on coordinate axes.



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



A is (_____ , _____)

_____ 1 mark



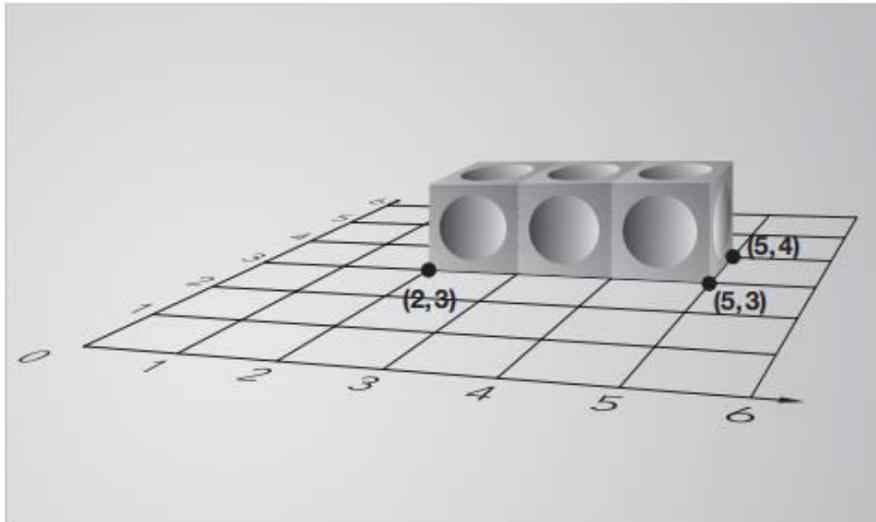
B is (_____ , _____)

_____ 1 mark

1.

13

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

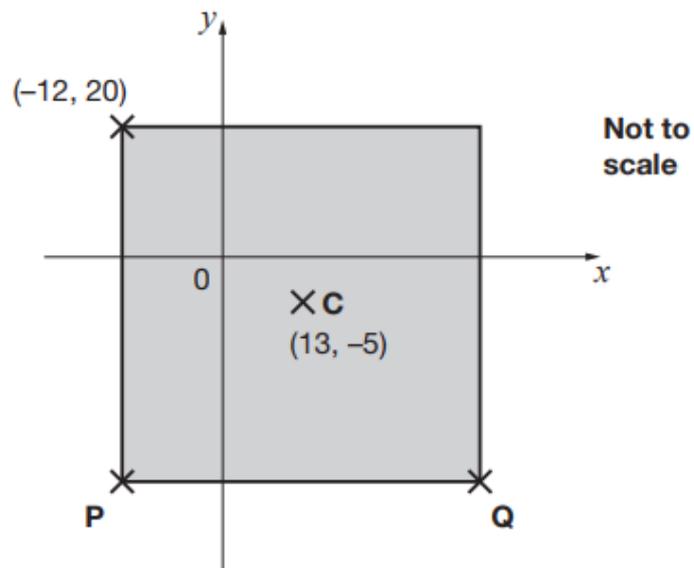


(,)

1.

13

Here is a square on coordinate axes.



C is the centre of the square.

Find the coordinates of **P** and **Q**.

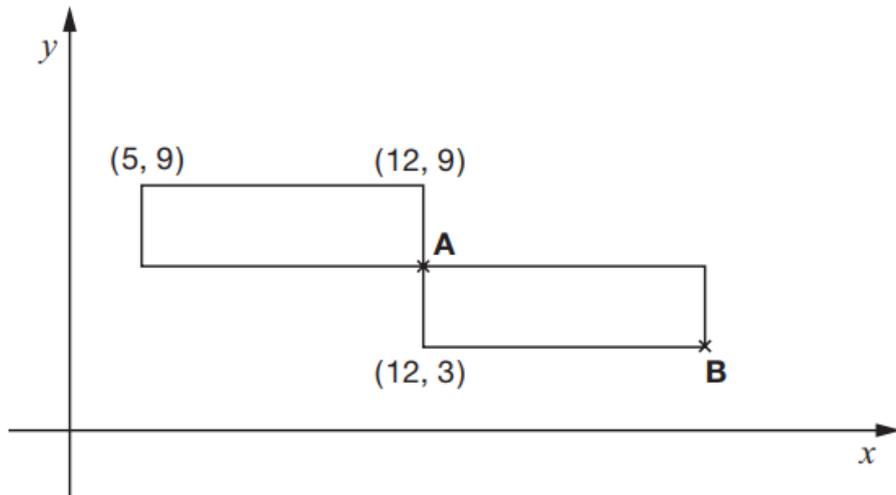
 **P** is 1 mark

 **Q** is 1 mark

1.

20

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



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



A is (_____ , _____)

20a
1 mark

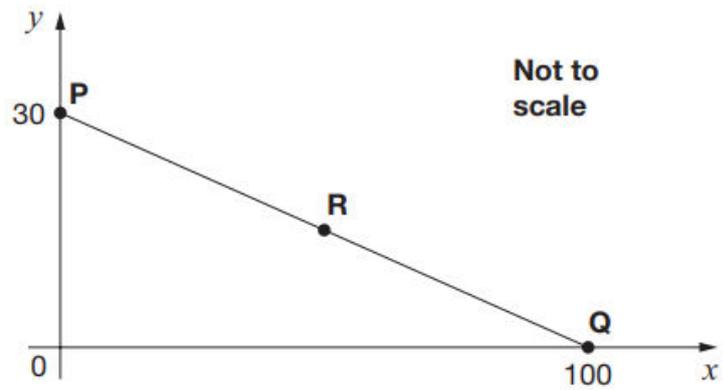
B is (_____ , _____)

20b
1 mark

1.

22

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



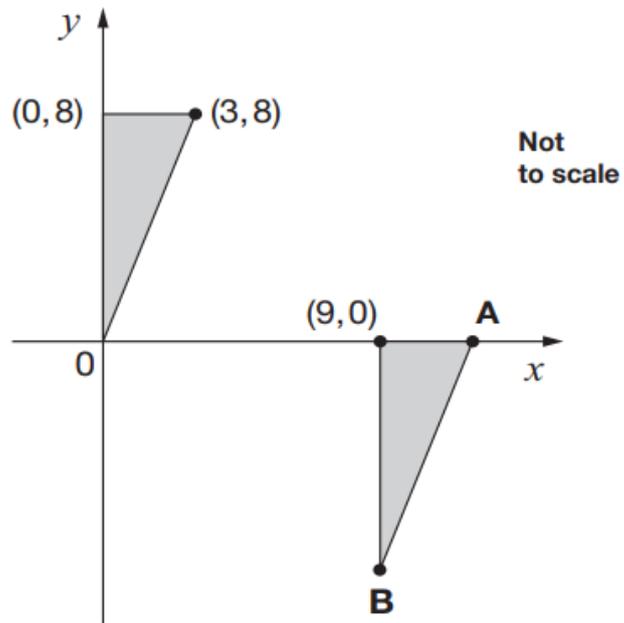
What are the coordinates of **R**?

 **R** =

1.

20

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



Write the coordinates of points A and B.

A = (,)

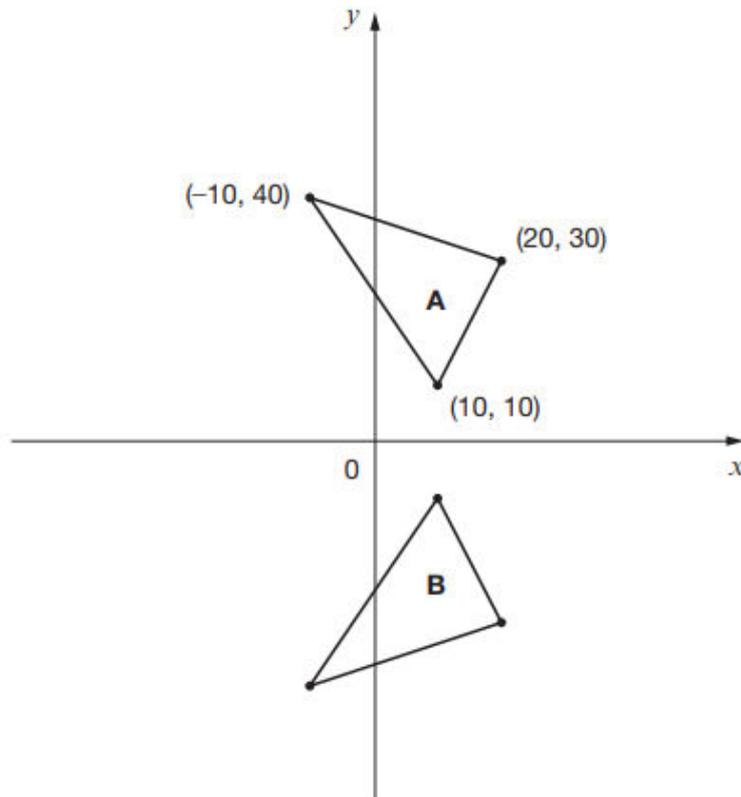
B = (,)

2 marks

1.

20

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

1.

17

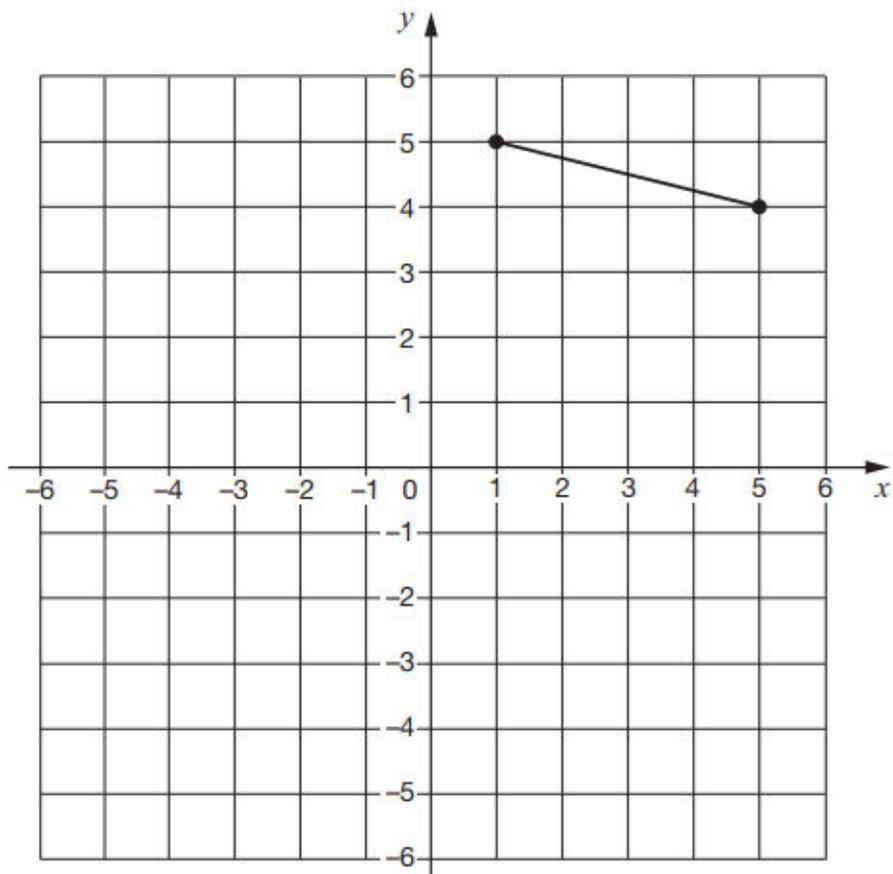
The vertices of a quadrilateral have these coordinates.

(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.



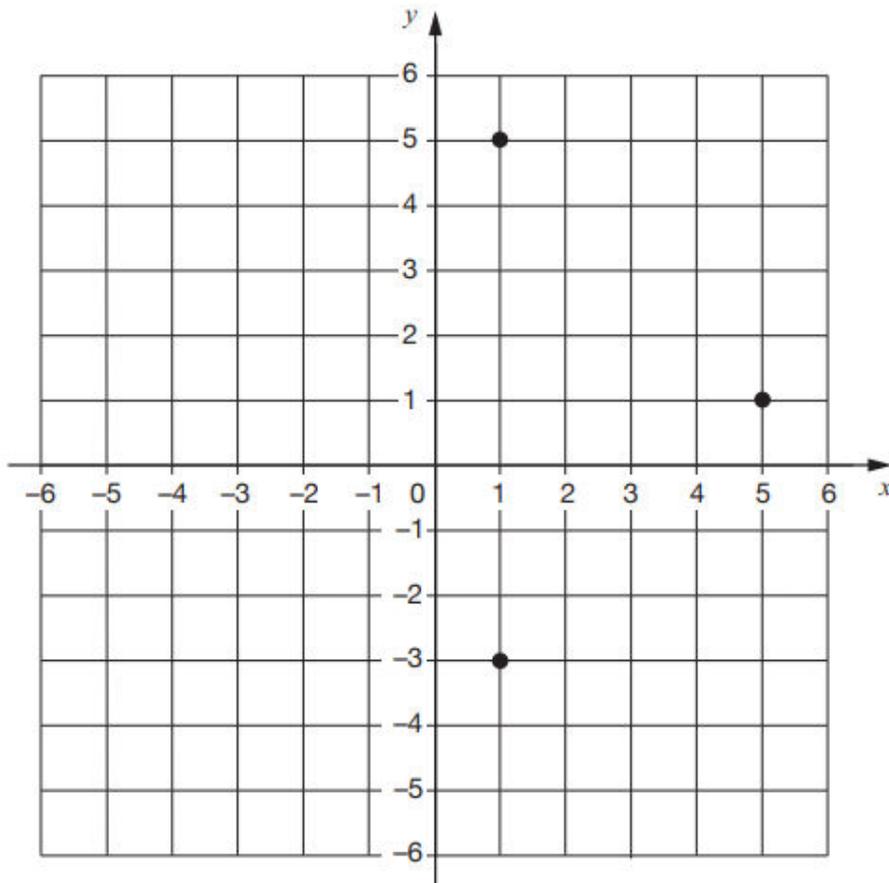
1 mark

1.

10

Layla draws a **square** on this coordinate grid.

Three of the vertices are marked.



What are the coordinates of the missing vertex?

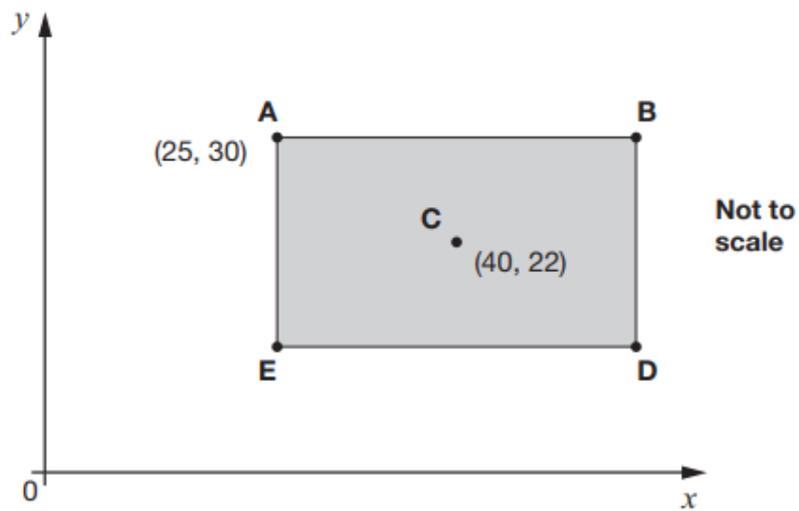
1 mark

1.

21

ABDE is a rectangle on coordinate axes.

The sides of the rectangle are parallel to the axes.



Point **C** is the centre of the rectangle.

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

B is

1 mark

D is

1 mark