1

[2005]

The diagram shows two identical squares.
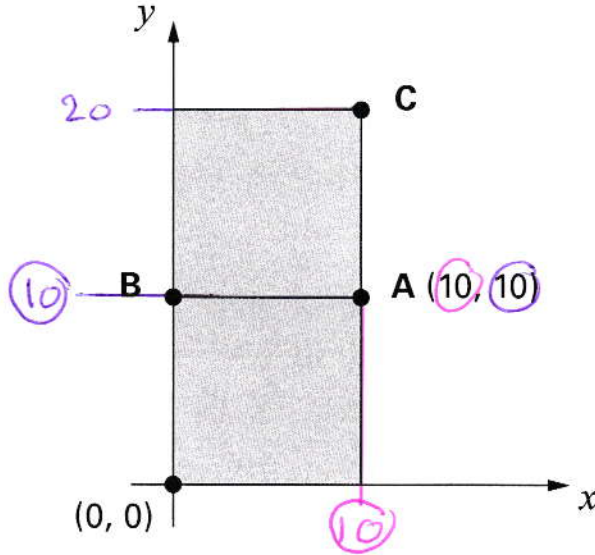
A is the point (10, 10)

What are the coordinates of **B** and **C**?
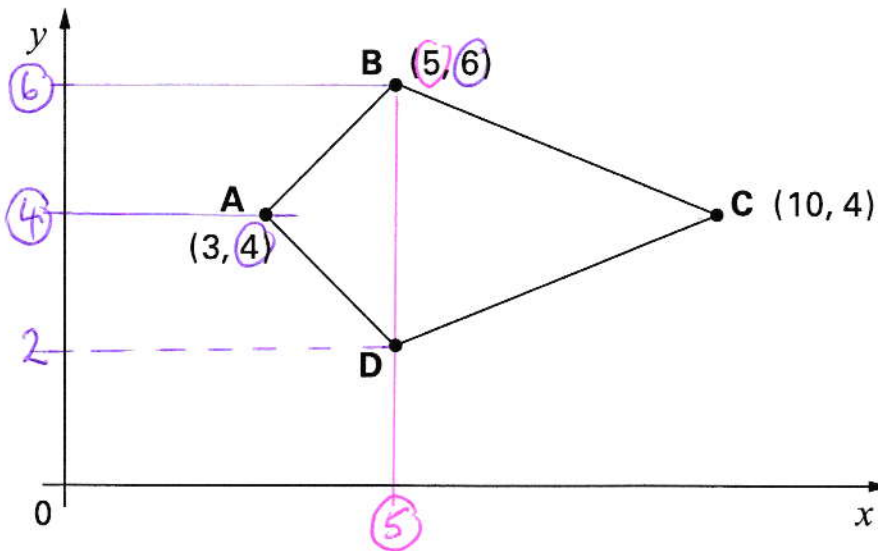
B is $(0 , 10)$

C is $(10 , 20)$

[2 marks]

2

[2004]

Here is a kite.

Write the coordinates of point **D**.

(5 , 2)

[1 mark]

3

[2002]

The shaded shape is a parallelogram.
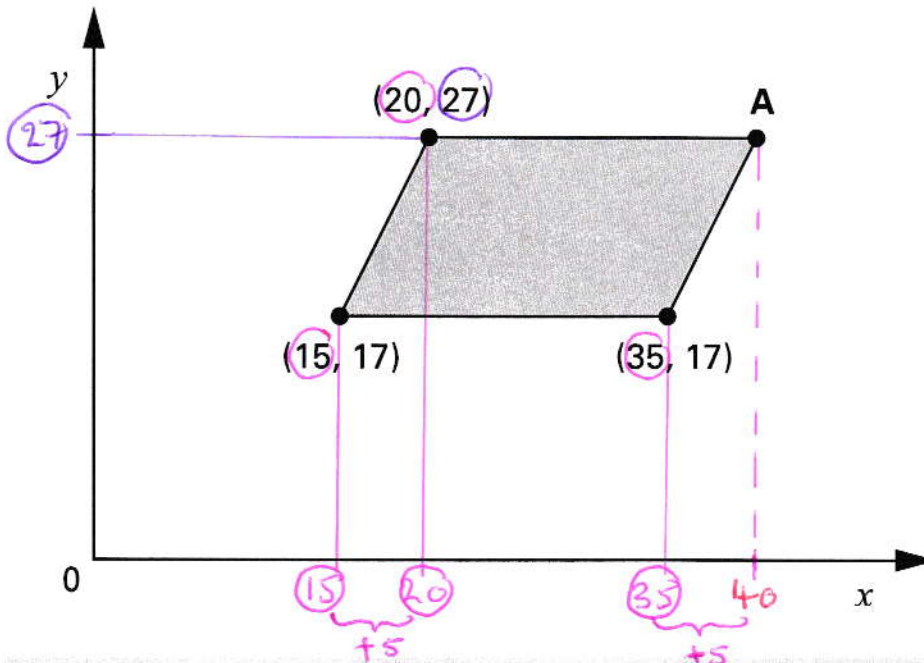
Write the coordinates of point **A**.
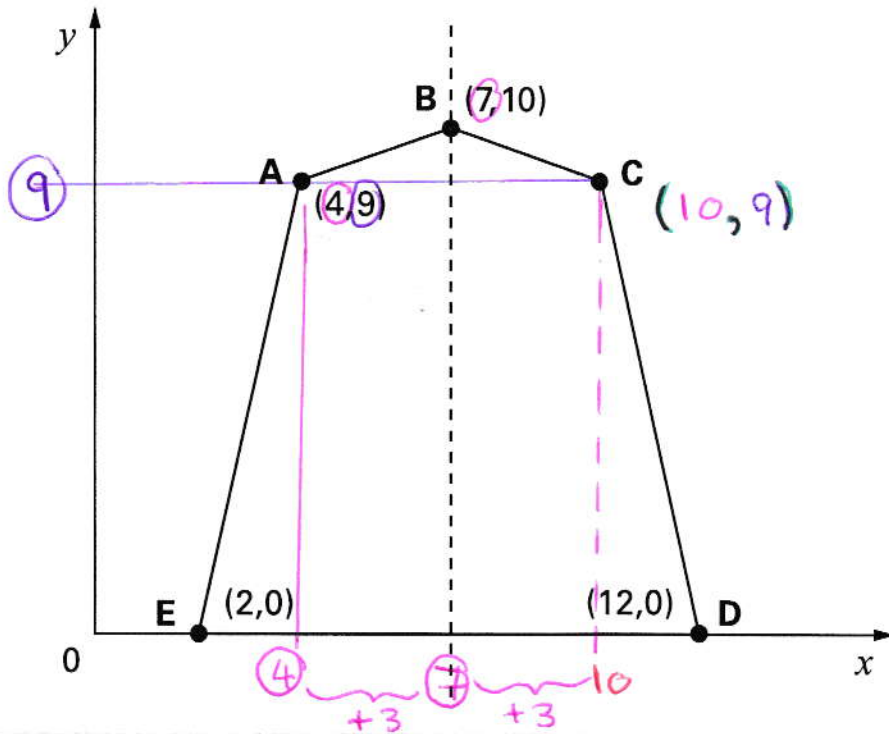
(40 , 27)

[1 mark]

4

[2003]

Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.
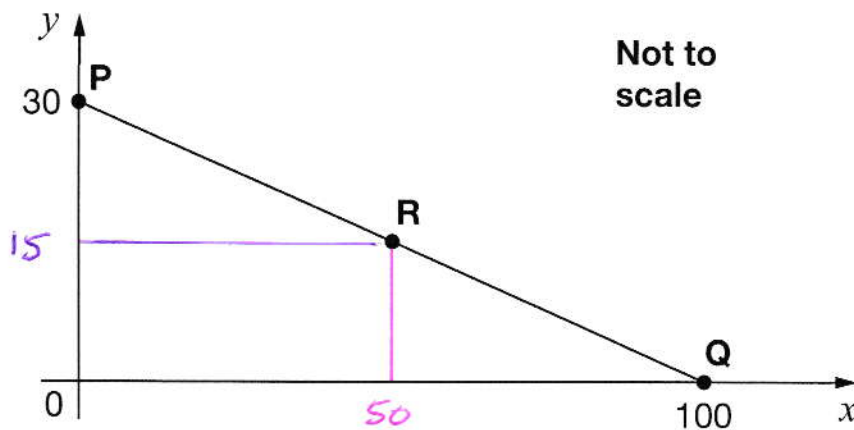

Write the coordinates of point **C**.

(10 , 9)

[1 mark]

5

[2015]

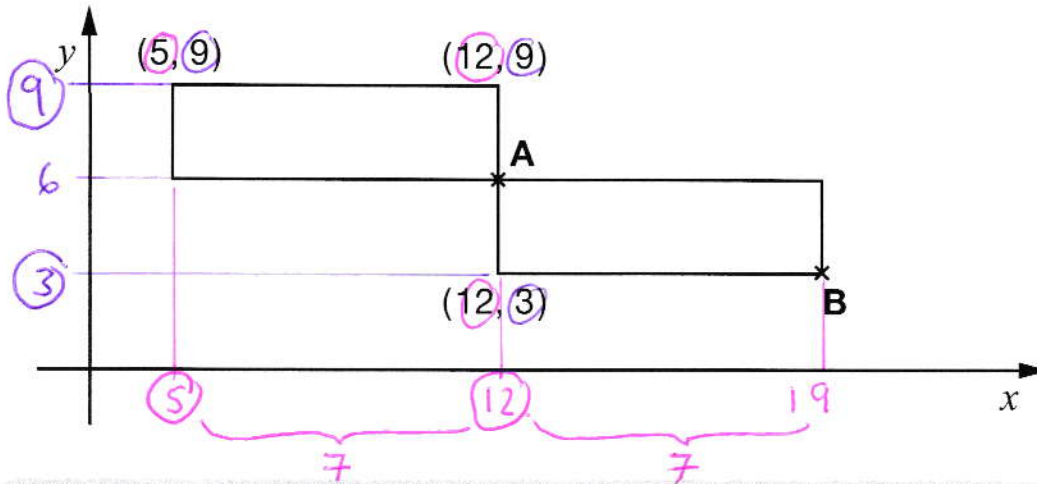In this diagram **R** is an equal distance from **P** and **Q**.

What are the coordinates of point **R**.

(50 , 15)

[1 mark]

6

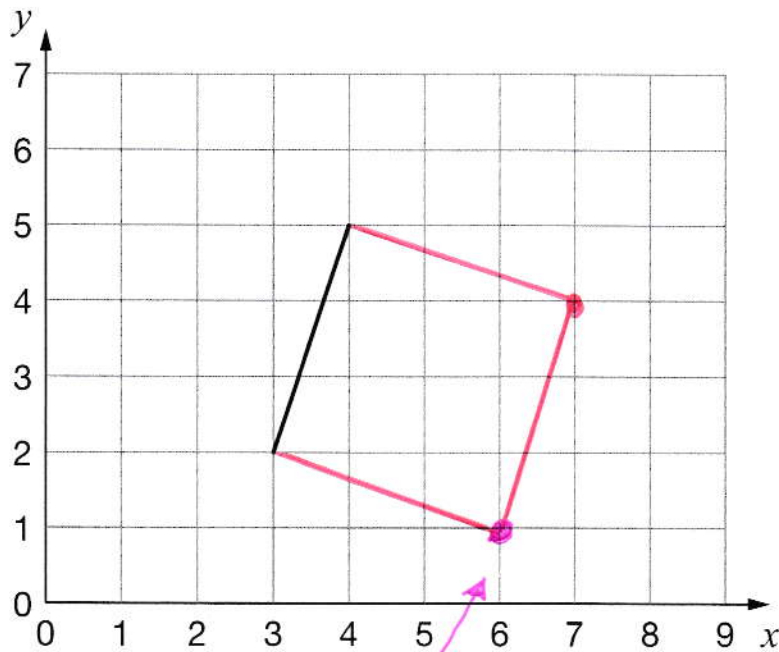This diagram shows two identical rectangles on coordinate axes.

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

A is (_12_ , _6_)   **B** is (_19_ , _3_)

[2 marks]

7
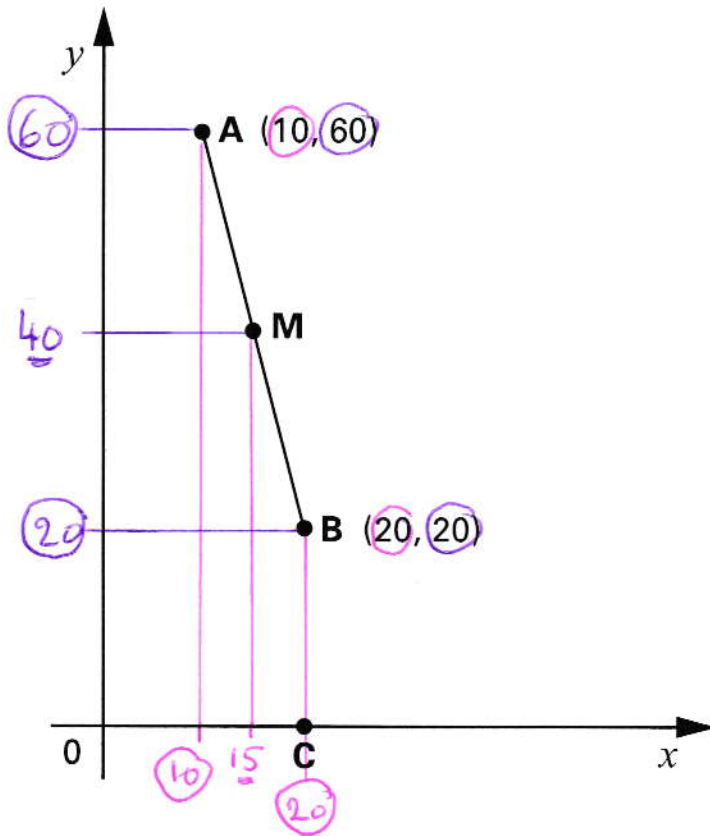
Here is one side of a square drawn on a coordinate grid.

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

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

Use a ruler.

[1 mark]

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

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

M is the midpoint of line AB.

Write the coordinates of **M**.

(15 , 40)

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

Write the coordinates of **C**.
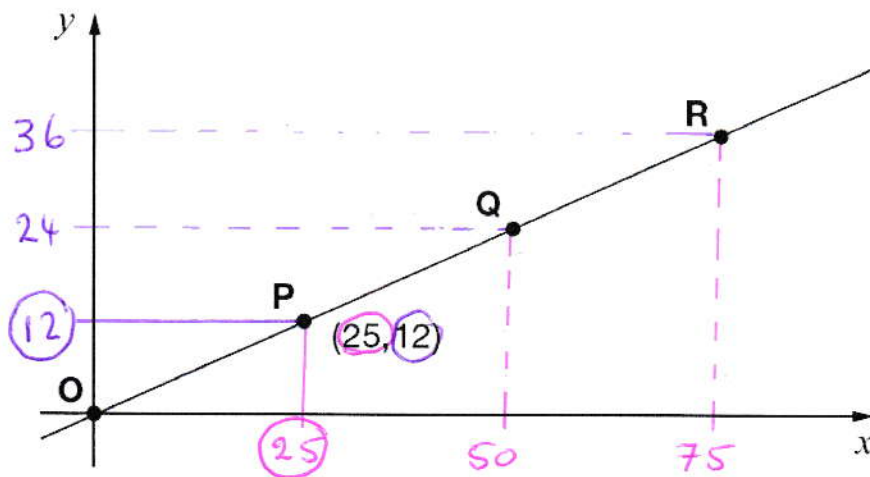
(20 , 0)

[2 marks]

Here is a line on coordinate axes.

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

The coordinates of **P** are (25, 12).
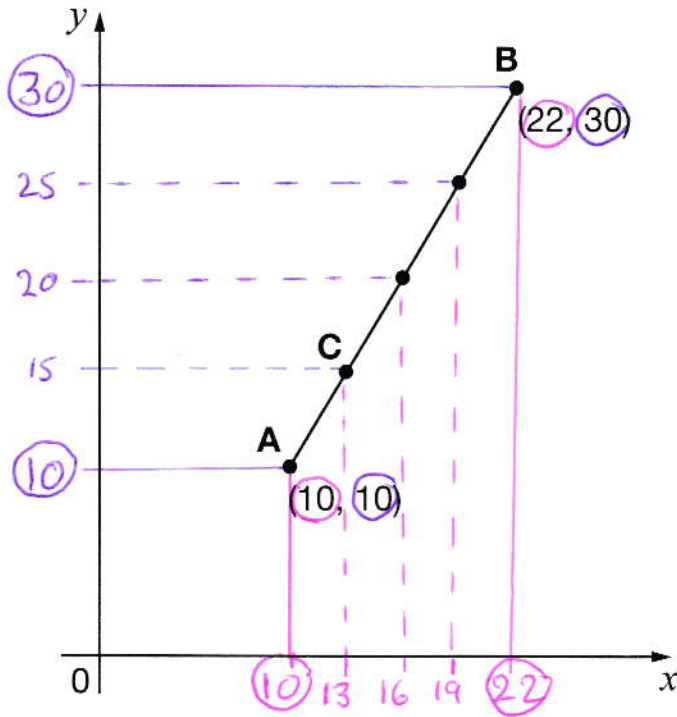
What are the coordinates of **R**?

R = $(75 , 36)$

[1 mark]

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 (13 , 15)

[1 mark]

11

[2006]
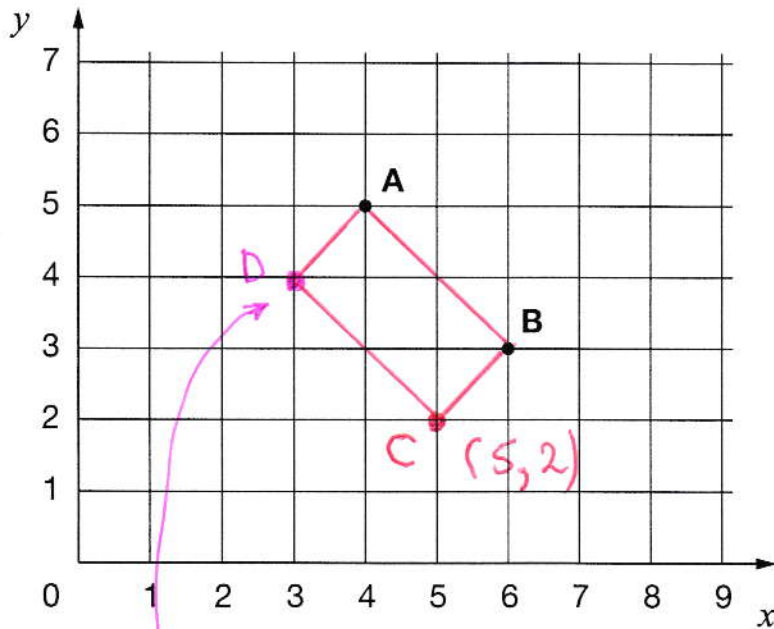
A, B, C and D are the vertices of a rectangle.

A and B are shown on the grid.

D is the point (3, 4)

Write the coordinates of point C.

$(5, 2)$
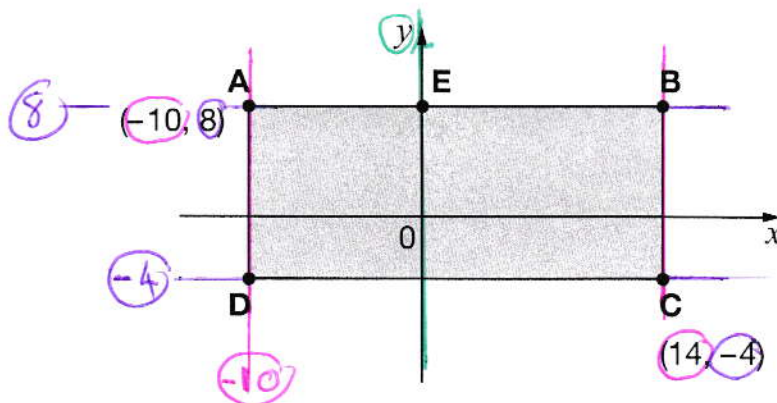
[1 mark]

12

[2009]

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 $(-10, -4)$ E is $(0, 8)$

[2 marks]

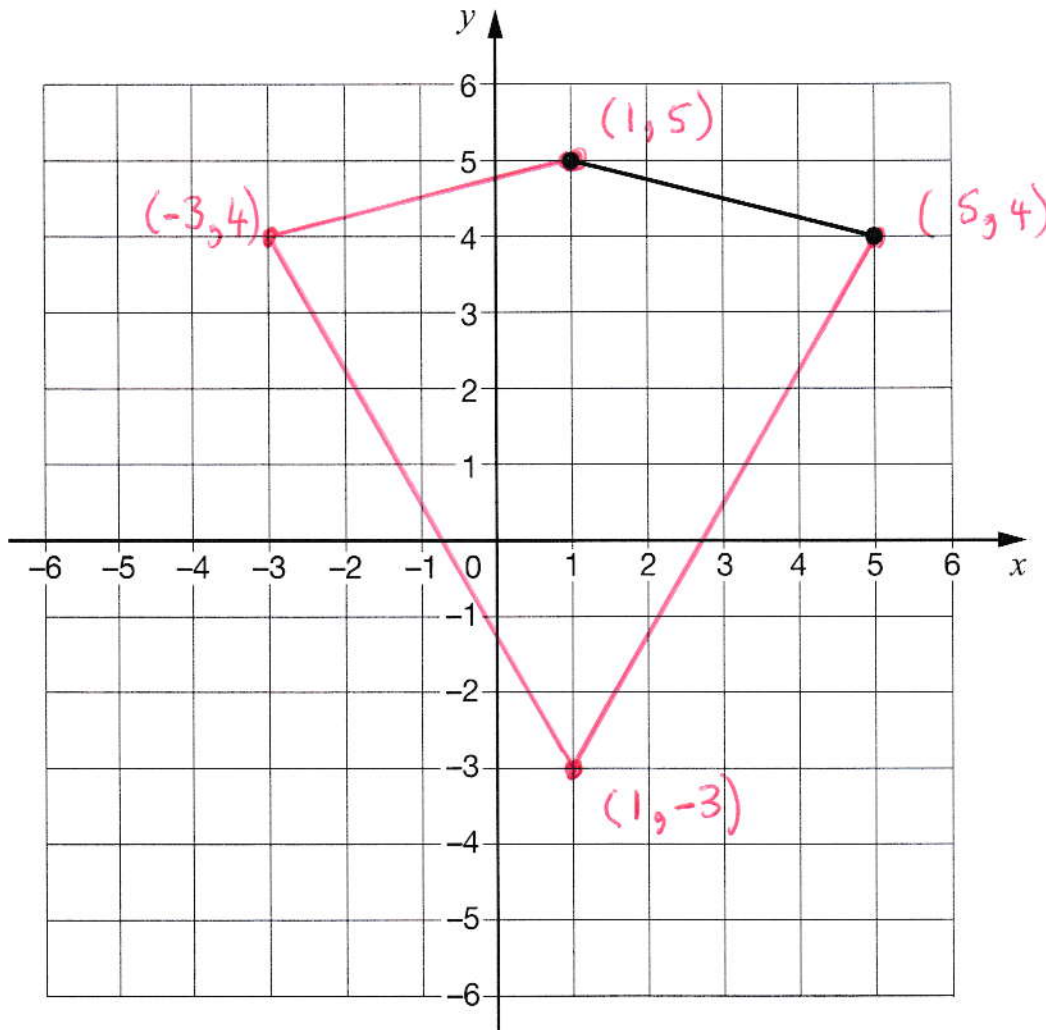The vertices of a quadrilateral have these coordinates.

(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]

14

[2007]

Here is a shaded square on x and y axes.
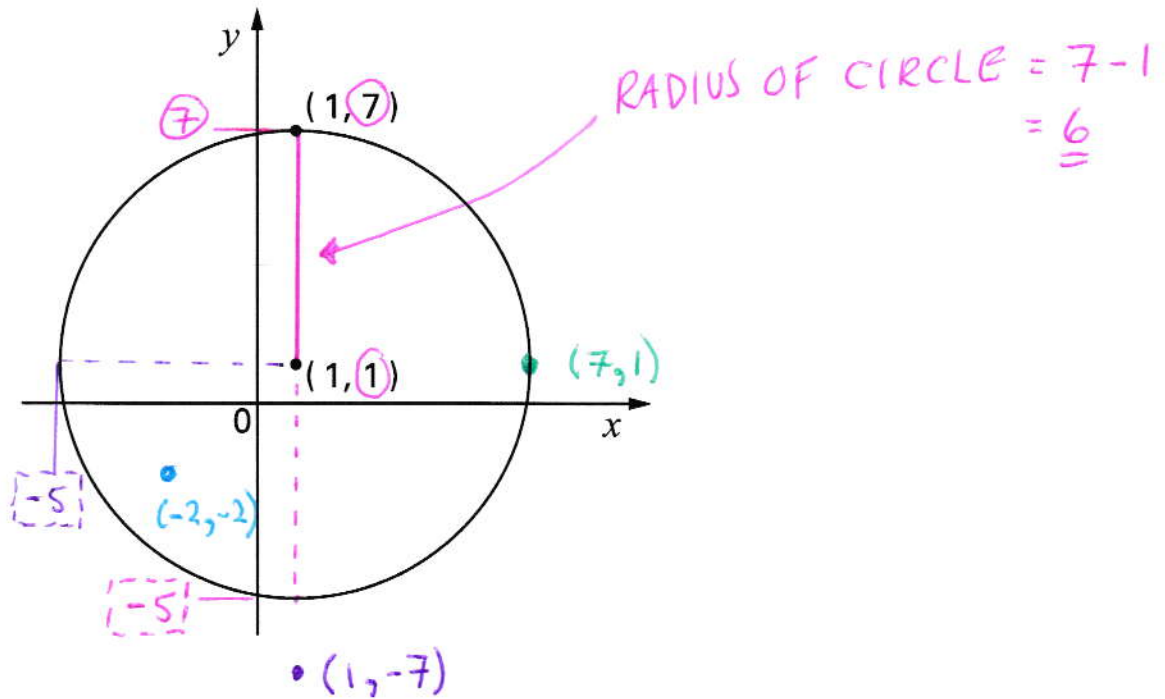

$\bullet$ (50, 70)

(−30, −30) $\bullet$
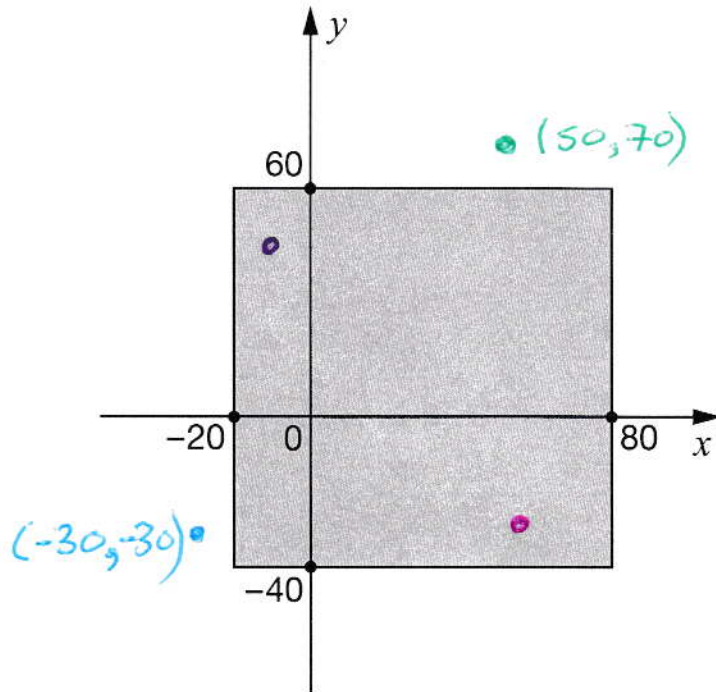
For each of these points, put a tick (✓) to show if it is inside the square or outside the square.

	inside the square	outside the square
(50, 70)		✓
(60, −30)	✓	
(−10, 50)	✓	
(−30, −30)		✓

[2 marks]

15

Here is a circle with its **centre** at the point **(1, 1)**

The point **(1, 7)** is on the circumference of the circle.

RADIUS OF CIRCLE = 7 - 1
= **6**

For each of these points, put a tick (✓) to show if it is **inside** the circle, **on** the circle or **outside** the circle.
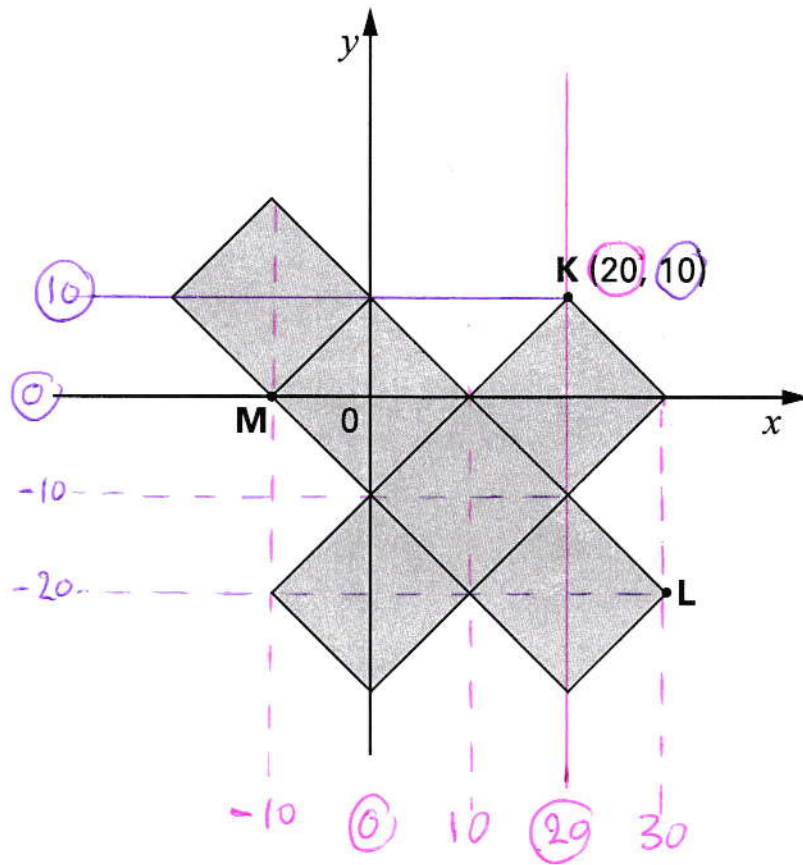
One has been done for you.

	inside the circle	**on** the circle	**outside** the circle
(3, 7)			✓
(7, 1)		✓	
(1, −7)			✓
(−2, −2)	✓		

[2 marks]

The diagram shows **6 shaded squares**.

K is the point **(20, 10)**

What are the coordinates of **L** and **M**?

L is $(30, -20)$

M is $(-10, 0)$

[2 marks]