method maths

interactive practice papers

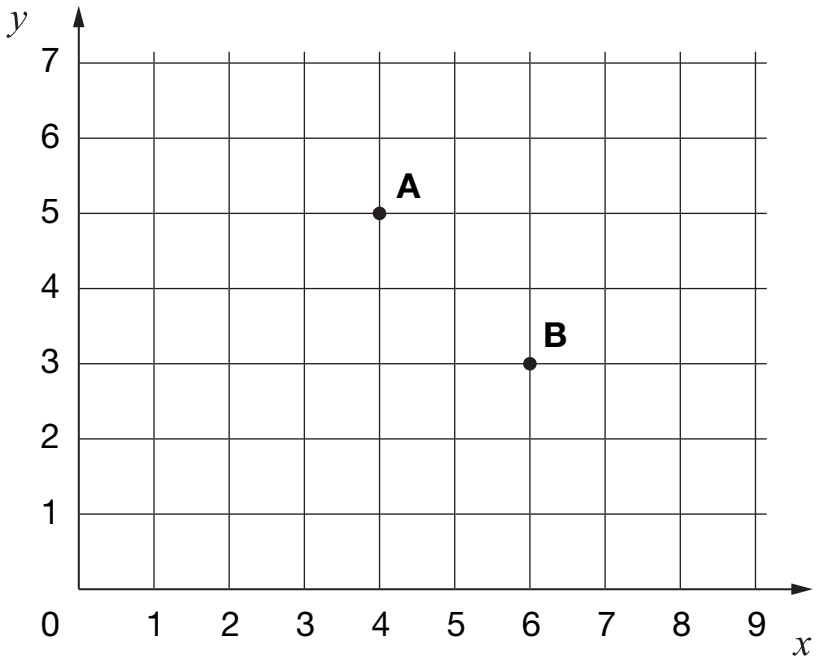
BOOSTER WORKBOOK

Geometry P3

Coordinates

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

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



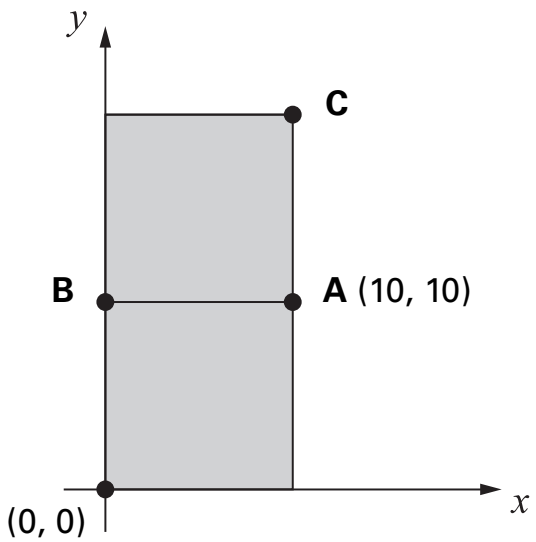
D is the point (3, 4)

Write the coordinates of point **C**.

(,)

1 mark

2 The diagram shows two identical squares.



A is the point (10, 10)

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

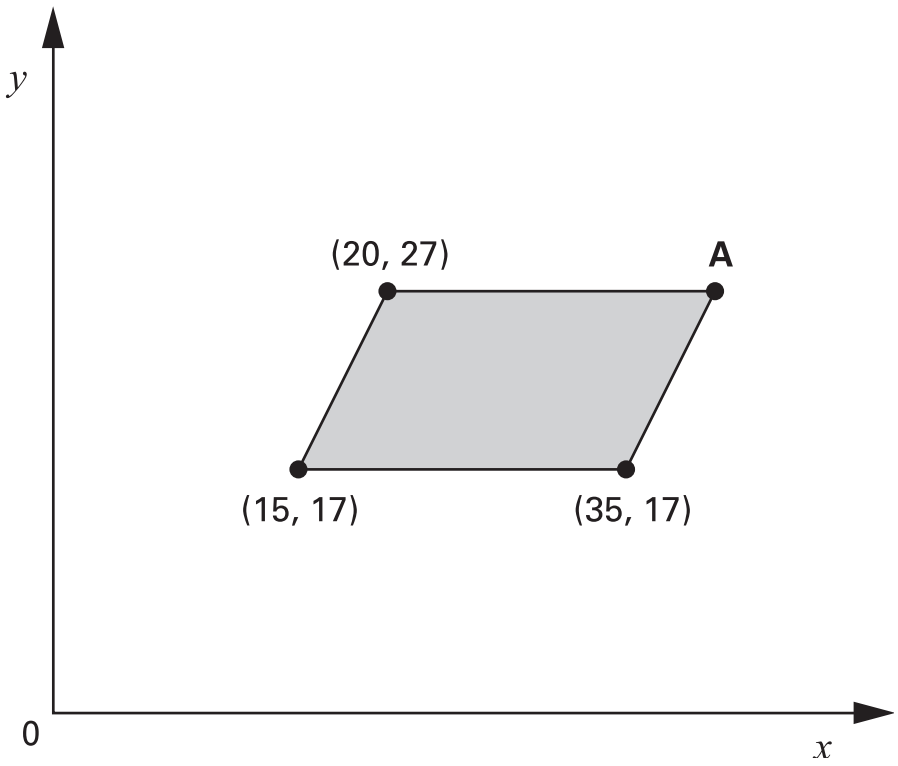
B is (,)

1 mark

C is (,)

1 mark

3 The shaded shape is a parallelogram.

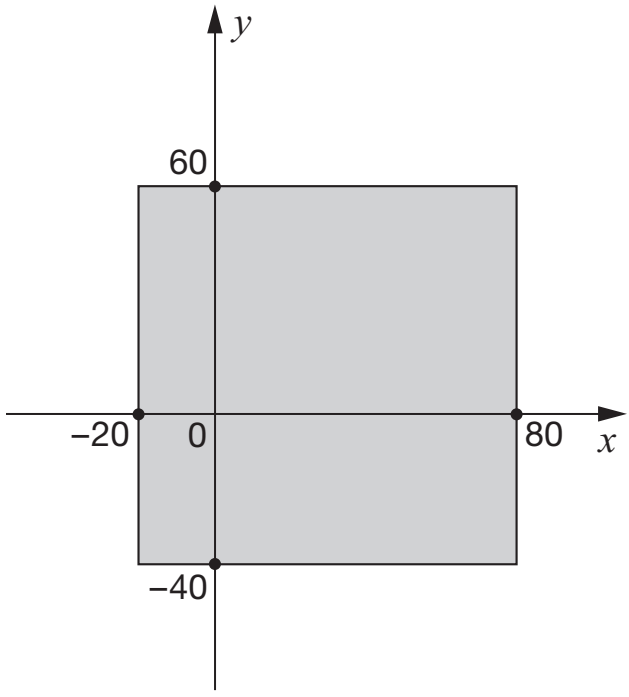


Write in the coordinates of point **A**.

(,)

1 mark

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

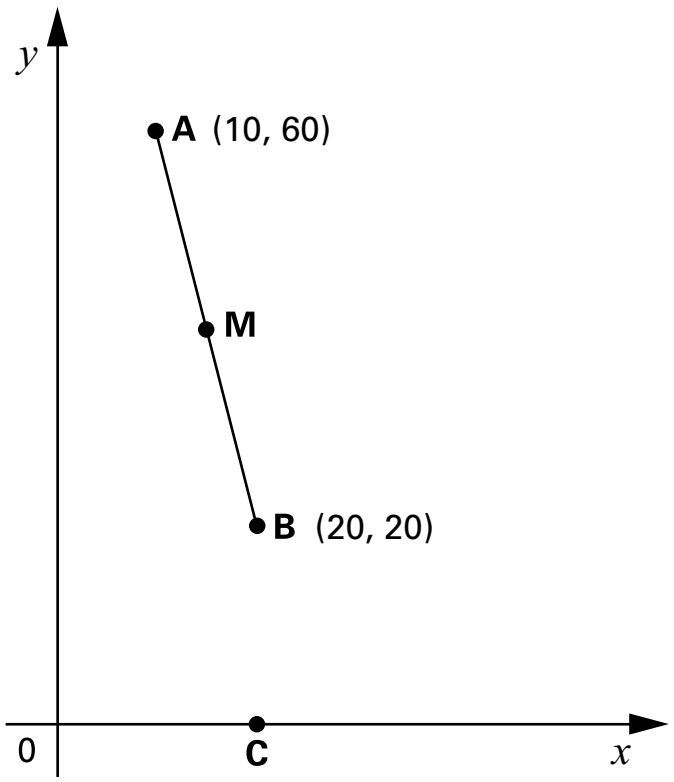


For each of these points, put a tick (✓) to show if it is inside the square or outside the square.

	inside the square	outside the square
(50, 70)	☐	☐
(60, –30)	☐	☐
(–10, 50)	☐	☐
(–30, –30)	☐	☐

2 marks

5



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

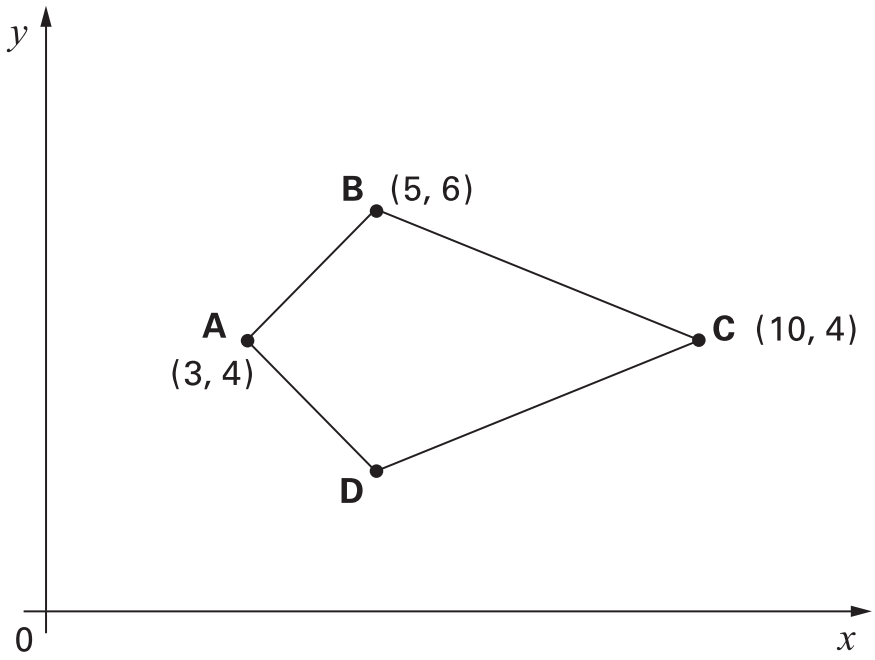
C is on the x-axis, directly **below B**.

Write the coordinates of **C**.

(,)

1 mark

6 Here is a kite.

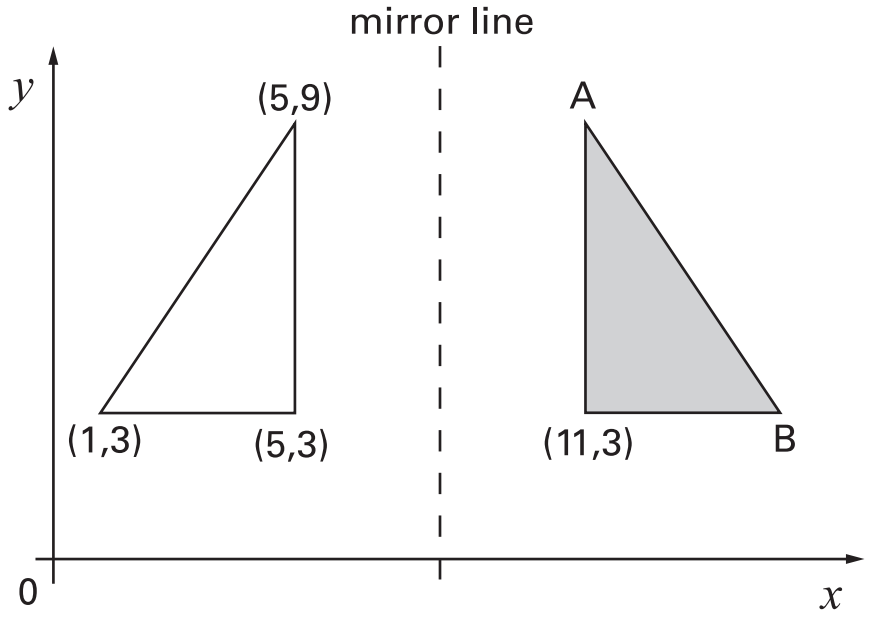


Write the coordinates of point **D**.

(,)

1 mark

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



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

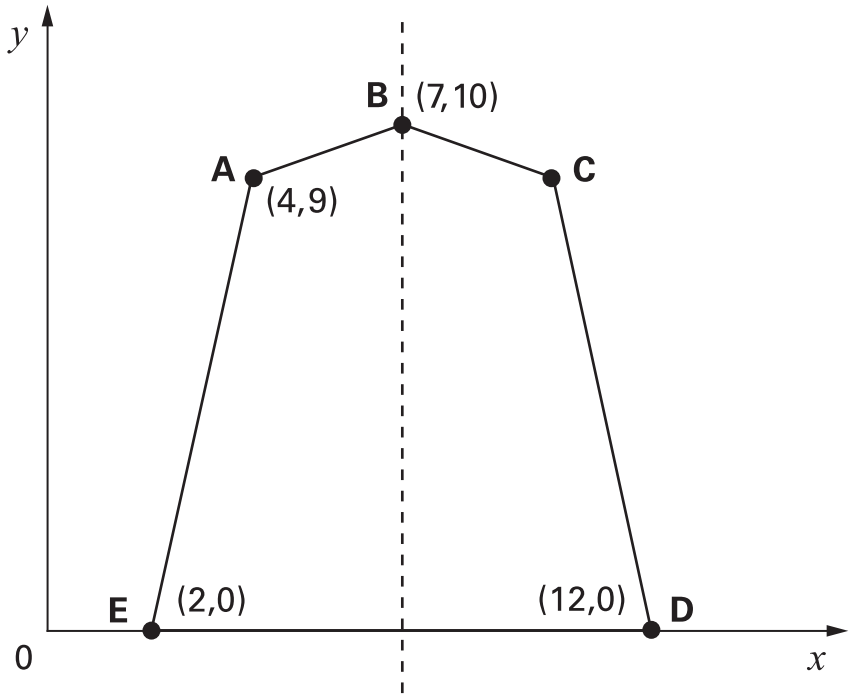
A is (,) **B** is (,)

1 mark

1 mark

8 Here is a pentagon drawn on a coordinate grid.

The pentagon is symmetrical.



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

(,)

1 mark