1. The vertices of a quadrilateral have these coordinates.

$$(1, 5) \qquad (5, 4) \qquad (1, -3) \qquad (-3, 4)$$

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

Complete the quadrilateral.
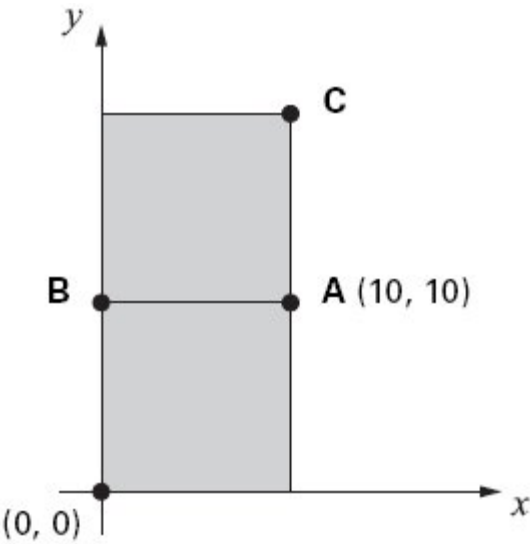
Use a ruler.
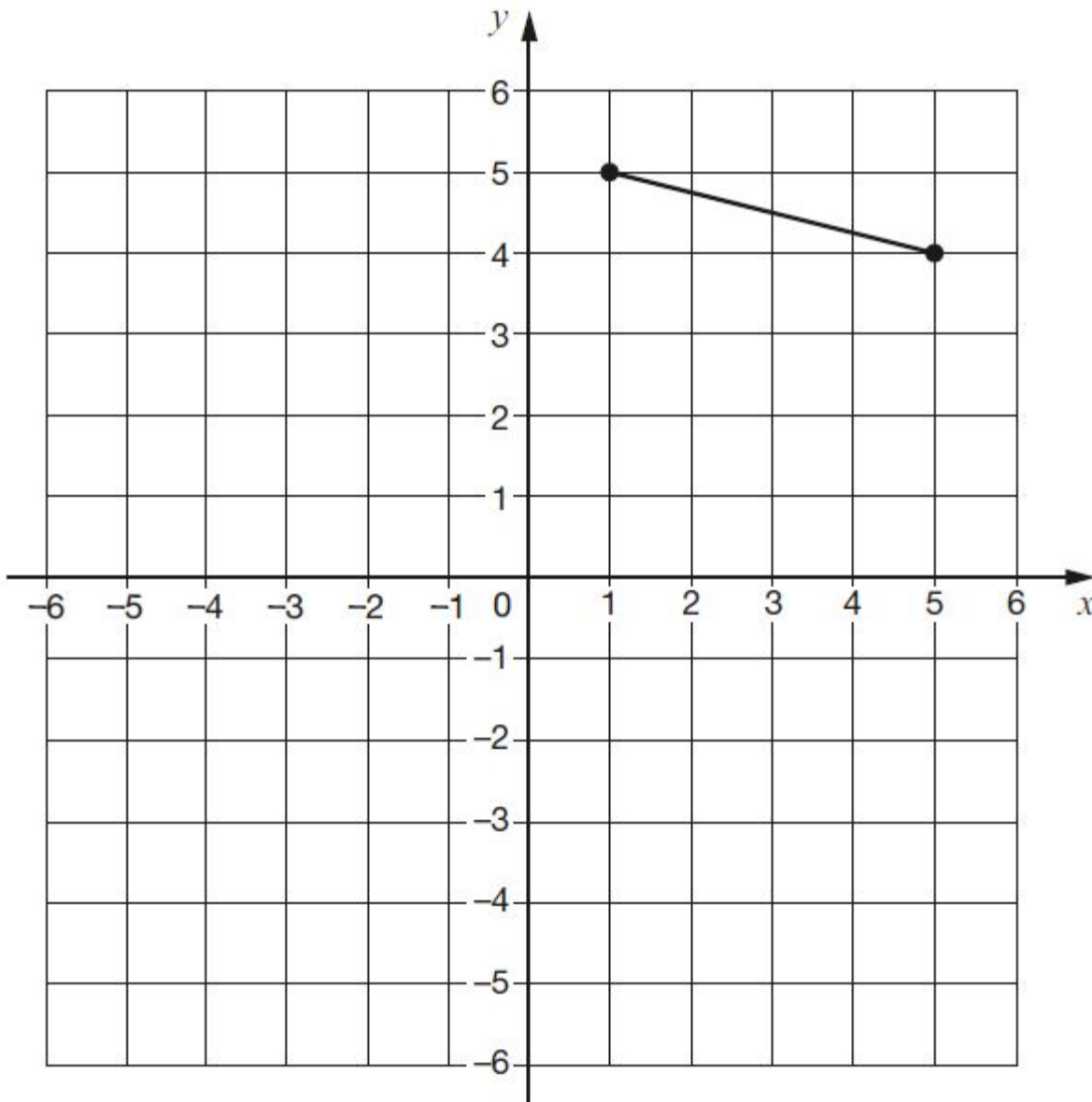
1 mark

2. The diagram shows two identical squares.

A is the point (10, 10)

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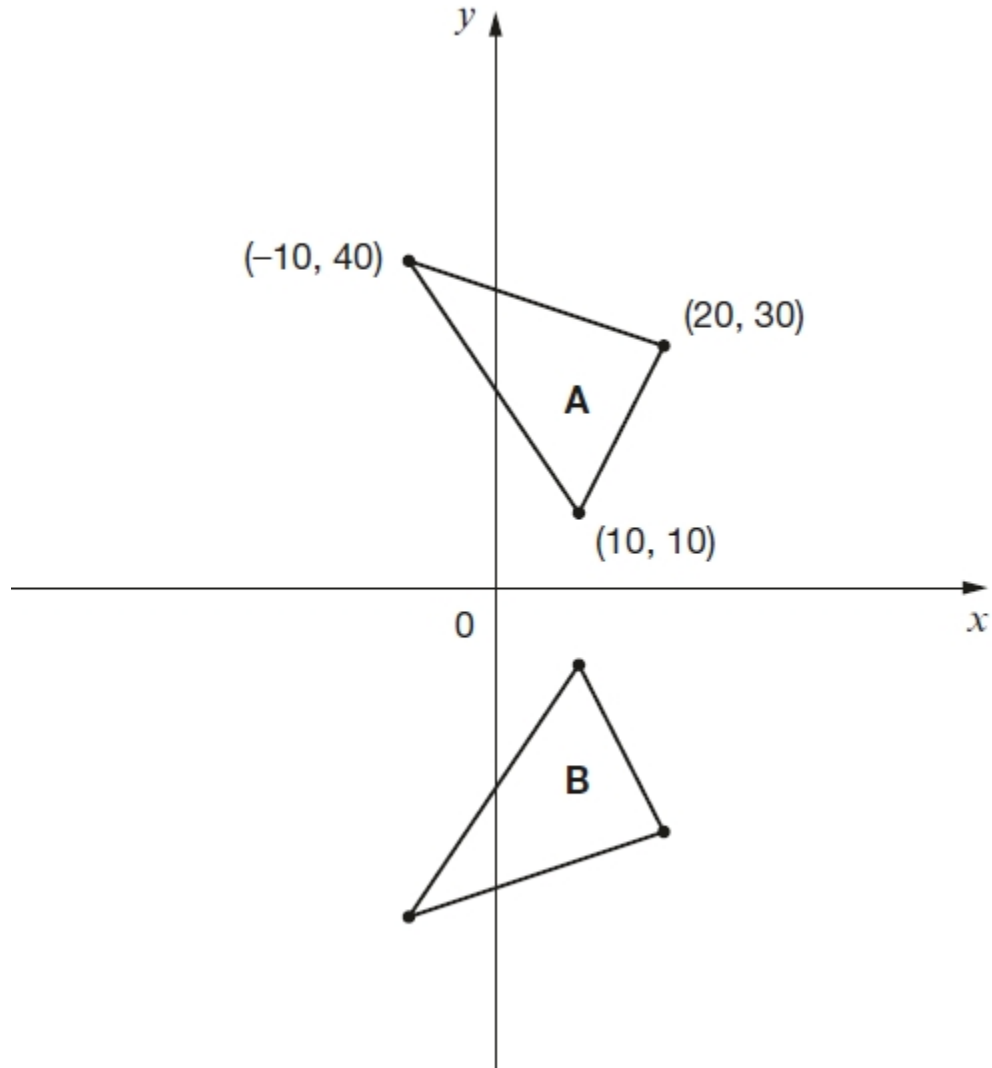
B is (,   )

1 mark

C is (,   )

1 mark

3.

Here are two triangles drawn on coordinate axes.

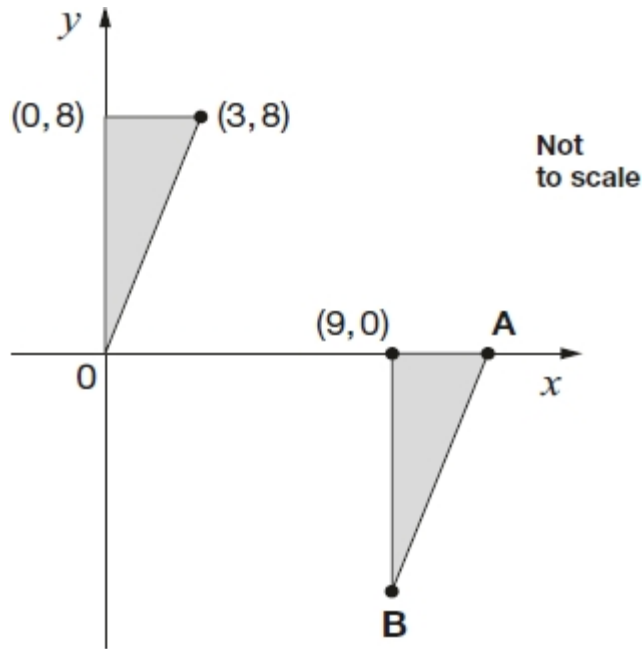Triangle B is a reflection of triangle A in the x-axis.

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

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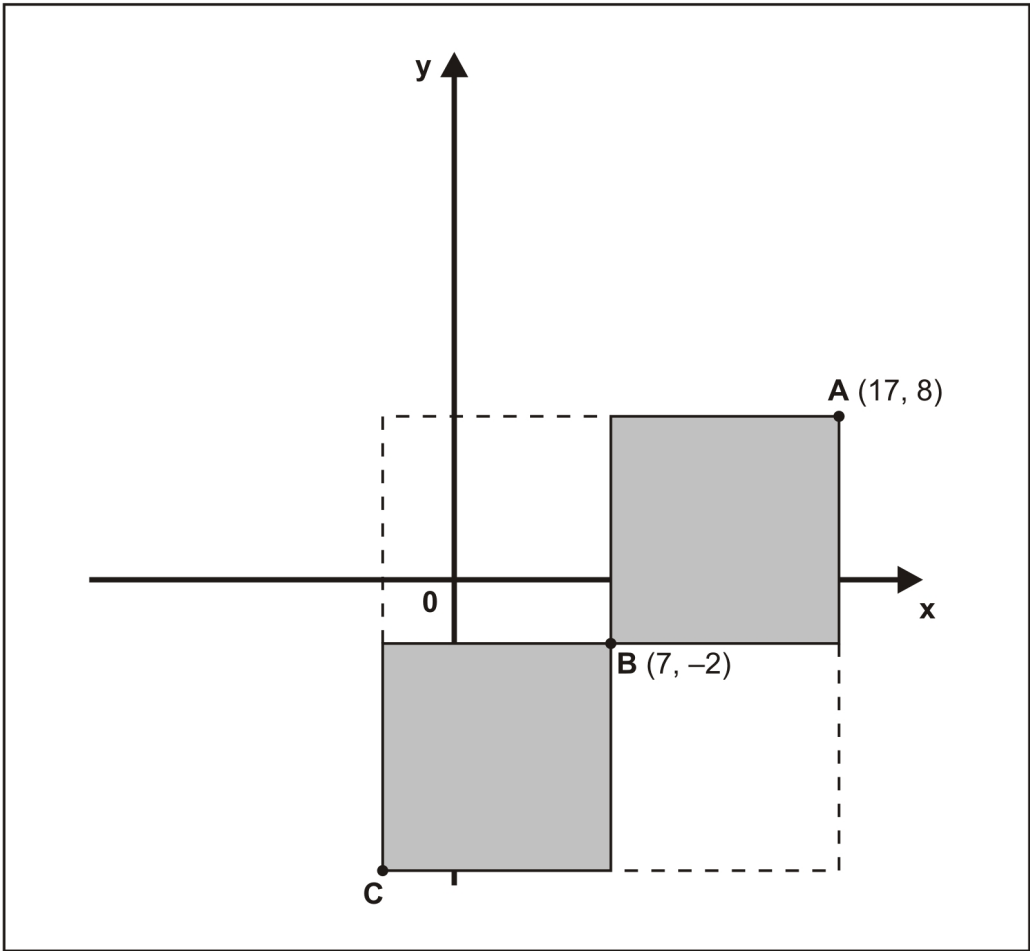

Write the coordinates of points A and B.

A = (,   )

B = (,   )

2 marks

The two **shaded squares** below are **the same size**.

A is the point **(17, 8)**.

B is the point **(7, −2)**.

What are the **co-ordinates** of the point **C**?
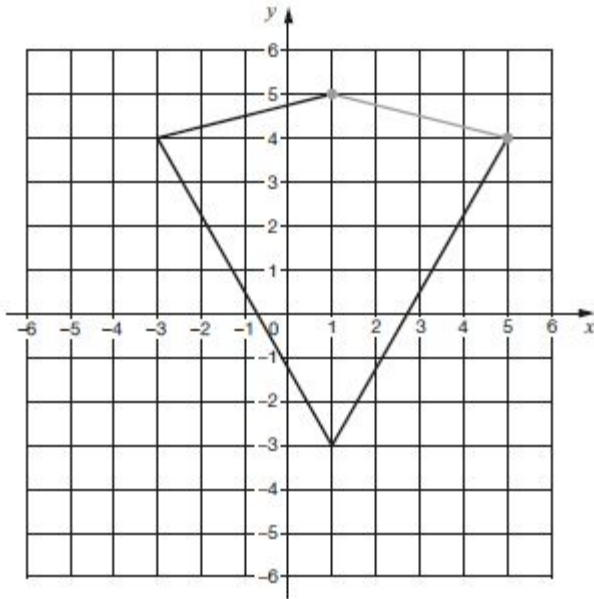
Show your method

(,   )

2 mark

Mark schemes

1. Quadrilateral completed as shown:

Accept slight inaccuracies in drawing.
Refer to general marking principle 23 for guidance (see Resource).

[1]

2. (a)   (0, 10)

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

1

(b)   (10, 20)

*If the answer for part (a) is (10, 0) **AND** the answer to (b) is
(20, 10), award **ONE** mark only, in the part (b) box.*

1

[2]

3. (−10, −40)

[1]

4. (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]

5. Award **TWO** marks for the correct answer of (– 3, –12),

 If the answer is incorrect award **ONE** mark for evidence of an appropriate method, such as deduction of the length of the square from the co-ordinates given **AND** subtraction of this amount from the co-ordinates of B, eg

  7 – 10

–2 – 10

                    Accept appropriate indications on the diagram as evidence of the method.

                    *Accept for **ONE** mark (–12, –3).*

Up to 2

[2]