

Name:

Date:

Co-ordinates

GCSE

Edexcel

Mathematics

Grade (9-1)

Mark

Score (%)

<hr style="width: 20%; margin: auto;"/> 41
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Materials

For this paper you must have:

- Ruler
- Pencil, Rubber, Protractor and Compass
- Scientific calculator, which you are expected to use when appropriate

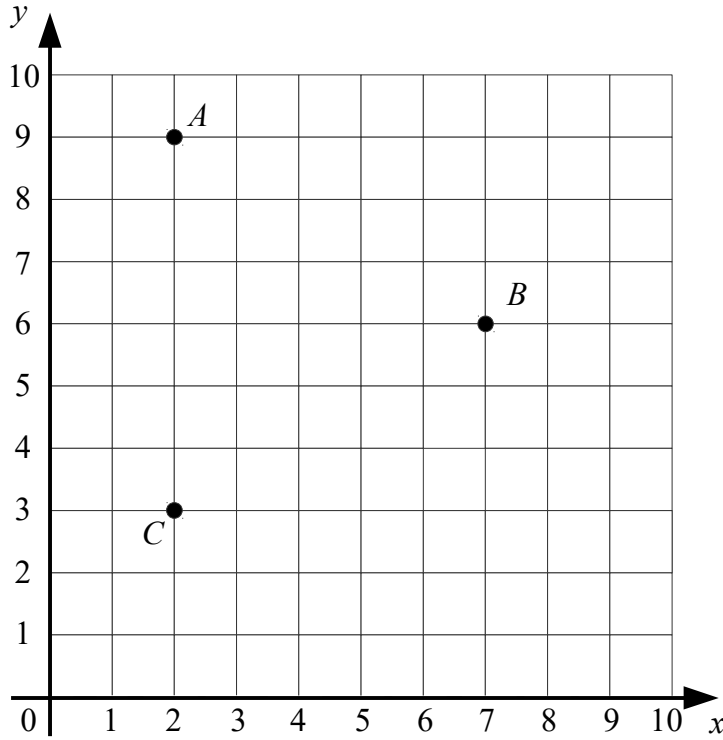
Instructions

- Answer all questions
- Answer questions in the space provided
- All working must be shown
- Do all rough work in this book. Cross out any rough work you don't want to be marked

Information

- The marks for the questions are shown in brackets

1

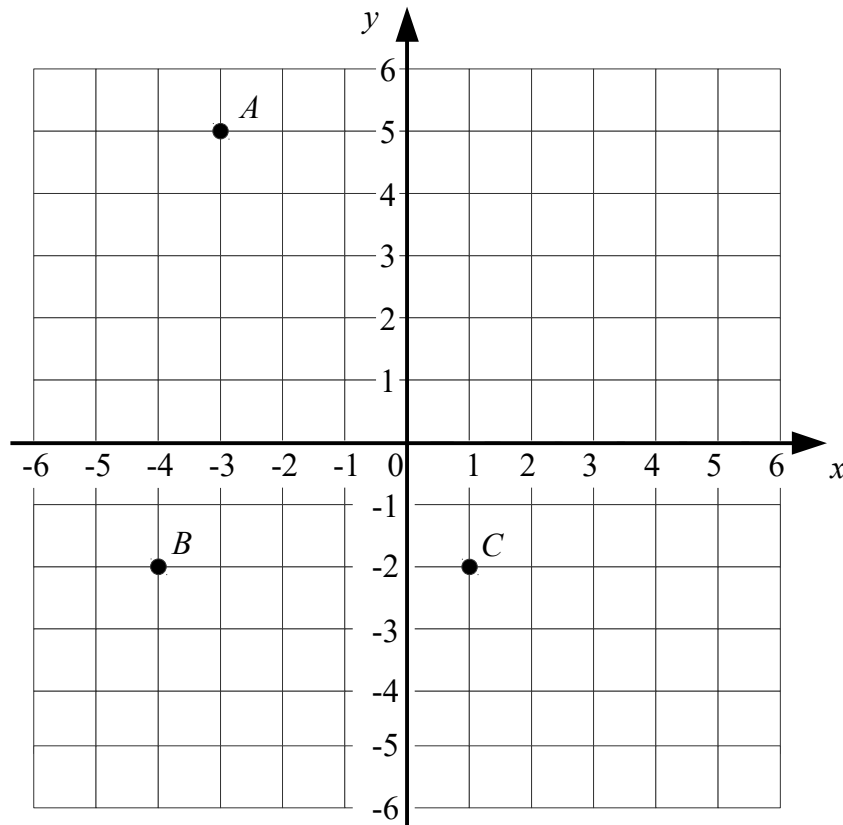


Find the co-ordinates of A, B and C.

A: (2, 9) B: (7, 6) C: (2, 3)

(Total for question 1 is 3 marks)

2

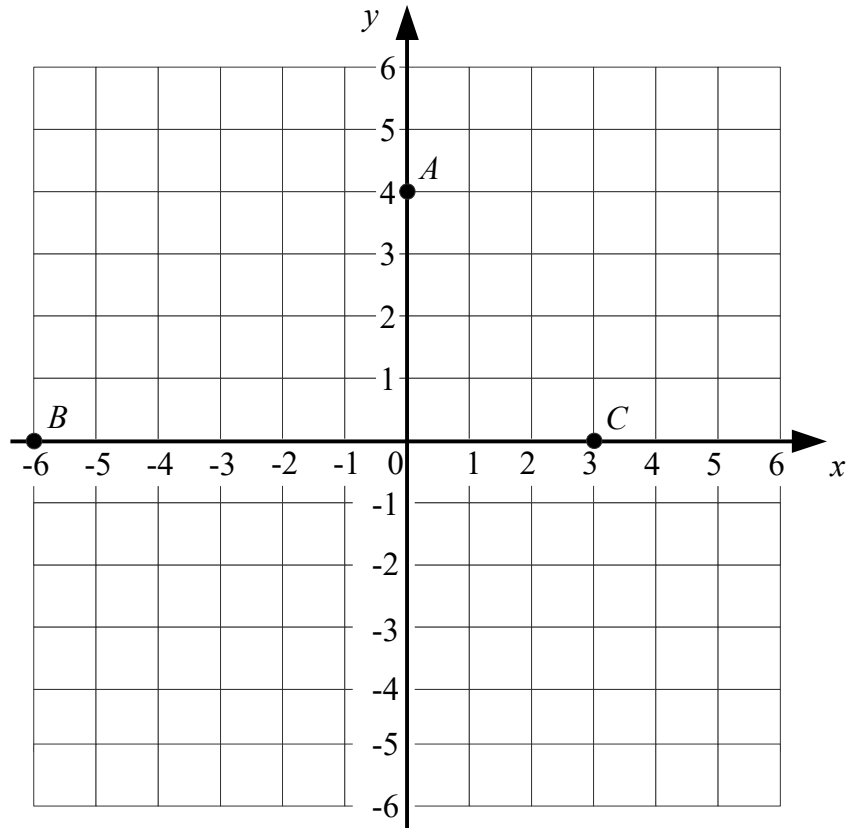


Find the co-ordinates of A, B and C.

A: (-3, 5) B: (-4, -2) C: (1, -2)

(Total for question 2 is 3 marks)

3

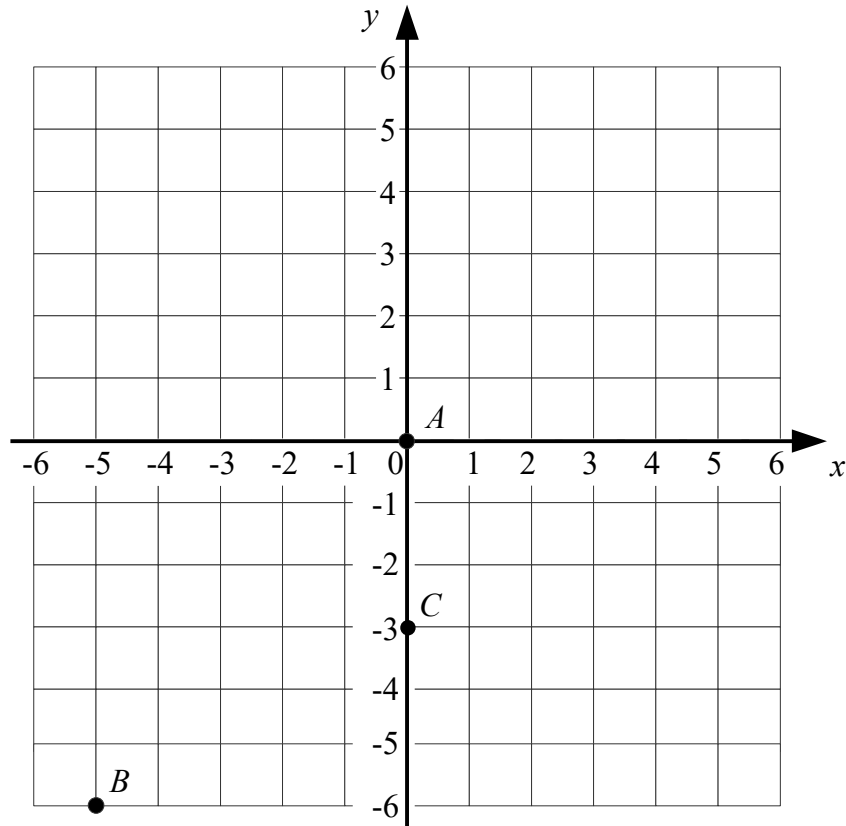


Find the co-ordinates of A , B and C .

$A: (0, 4)$ $B: (-6, 0)$ $C: (3, 0)$

(Total for question 3 is 3 marks)

4

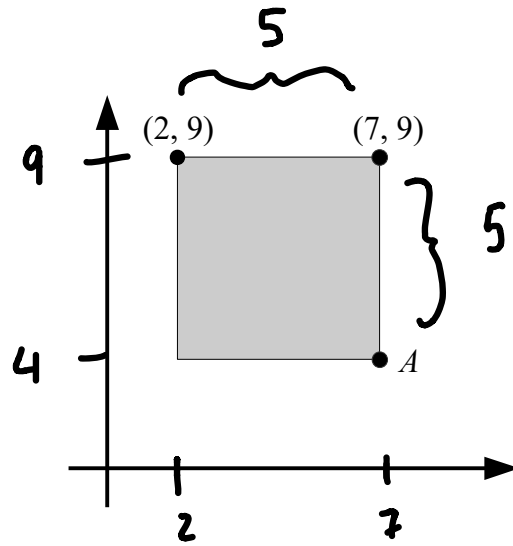


Find the co-ordinates of A , B and C .

$A: (0, 0)$ $B: (-5, -6)$ $C: (0, -3)$

(Total for question 4 is 3 marks)

5



A square is drawn on the axes below.

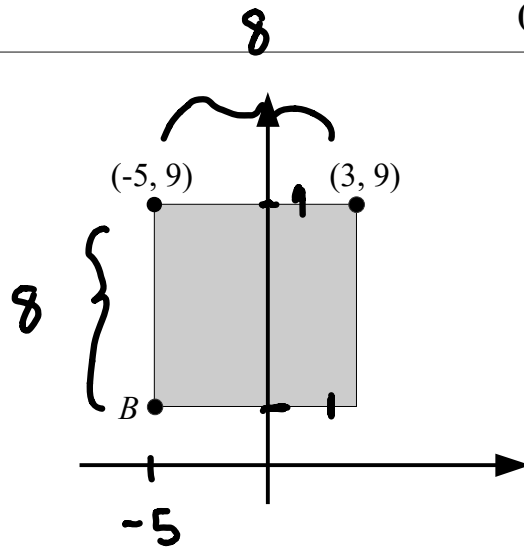
Two corners of a square have the coordinates (2, 9) and (7, 9).

Calculate the co-ordinate of A .

$$A = (7, 5)$$

(Total for question 5 is 1 mark)

6



A square is drawn on the axes below.

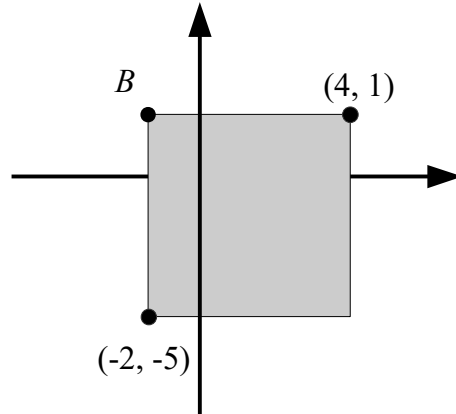
Two corners of a square have the coordinates (-5, 9) and (3, 9).

Calculate the co-ordinate of B .

$$B = (-5, 1)$$

(Total for question 6 is 1 mark)

7



A square is drawn on the axes below.

Two corners of a square have the coordinates $(-2, -5)$ and $(4, 1)$.

Calculate the co-ordinate of B .

$$B = (-2, 1)$$

(Total for question 7 is 1 mark)

8 The vertices of a quadrilateral have these coordinates.

$(2,5)$

$(5,3)$

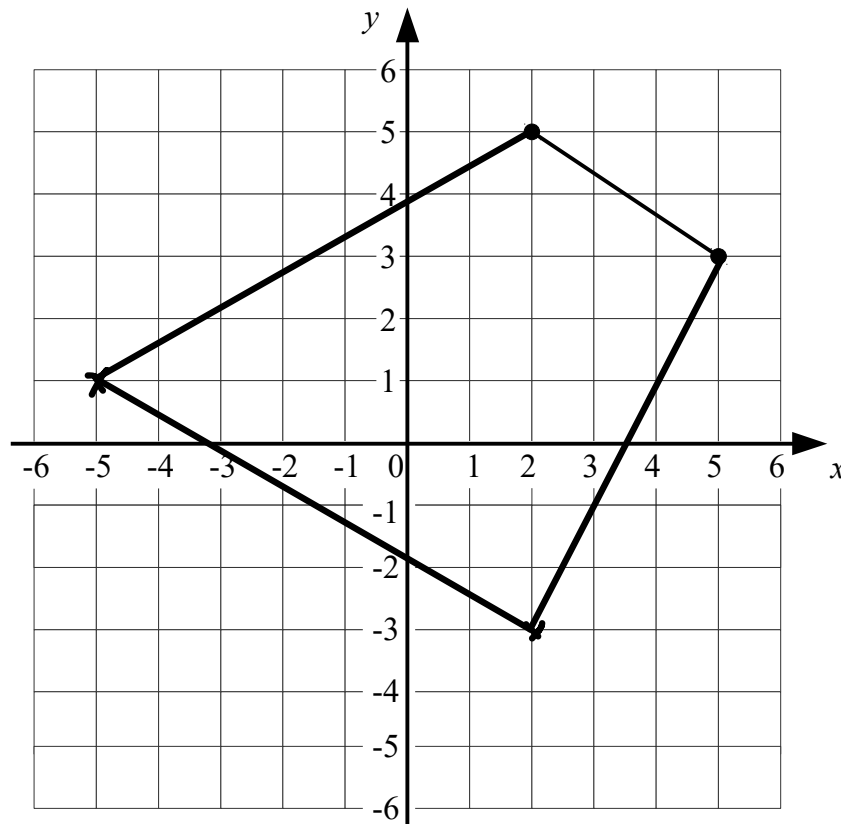
$(2,-3)$

$(-5,1)$

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

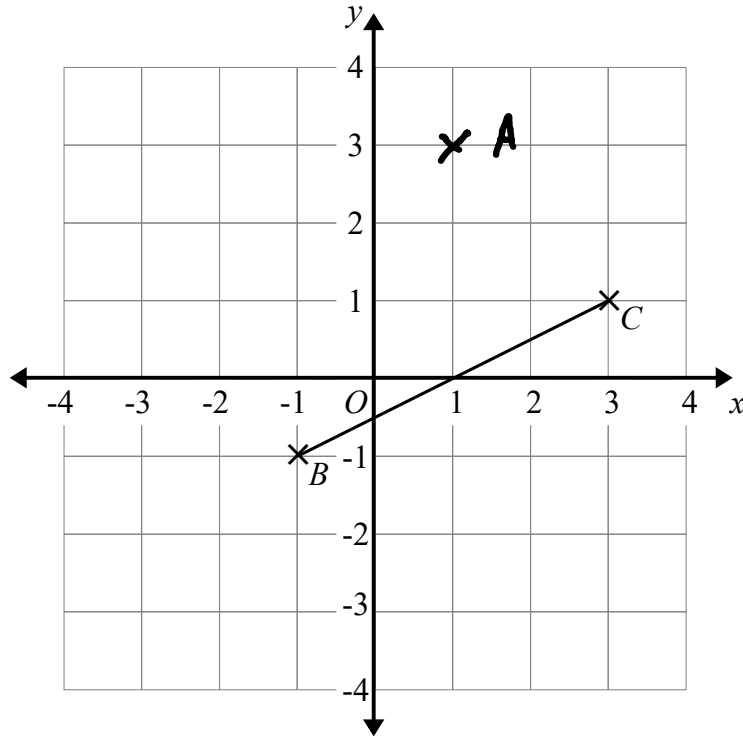
Complete the quadrilateral.

Use a ruler.



(Total for question 8 is 3 marks)

9



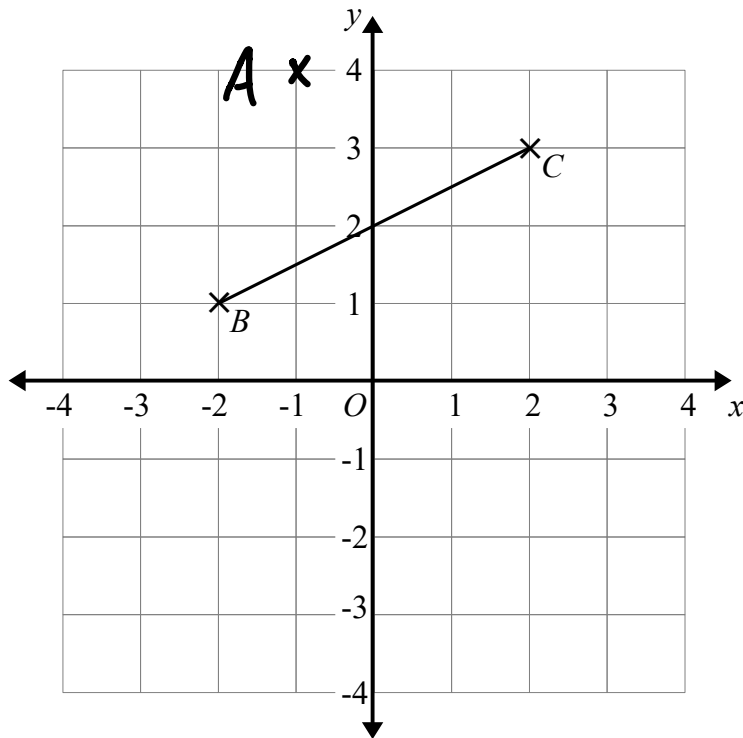
(a) Plot the point with coordinates (1, 3).
Label this point *A*.

(b) Write down the coordinates of the midpoint of *BC*.

(1)
(.....,)
(1)

(Total for question 9 is 2 marks)

10



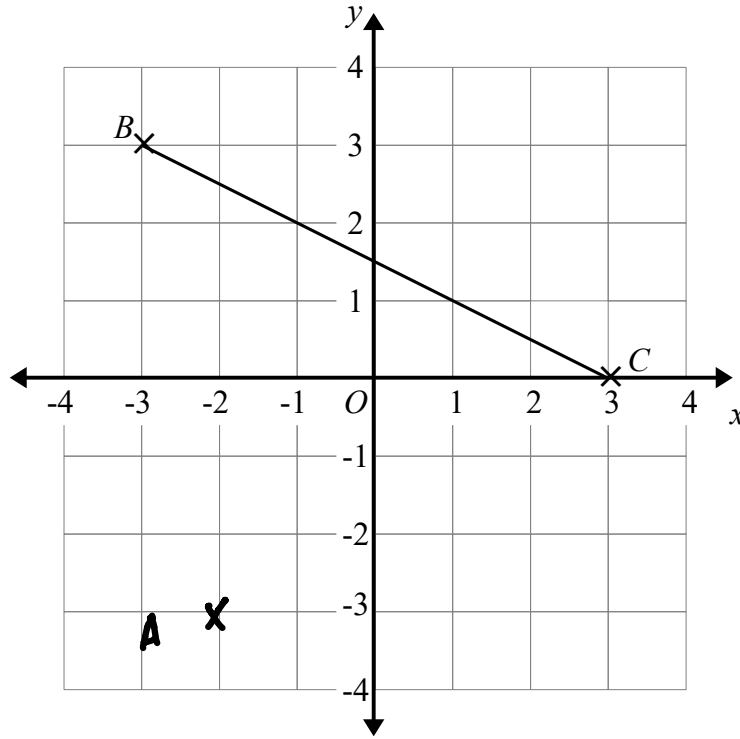
(a) Plot the point with coordinates (-1, 4).
Label this point *A*.

(b) Write down the coordinates of the midpoint of *BC*.

(1)
(.....,)
(1)

(Total for question 10 is 2 marks)

11



(a) Plot the point with coordinates $(-2, -3)$.
Label this point A .

(1)

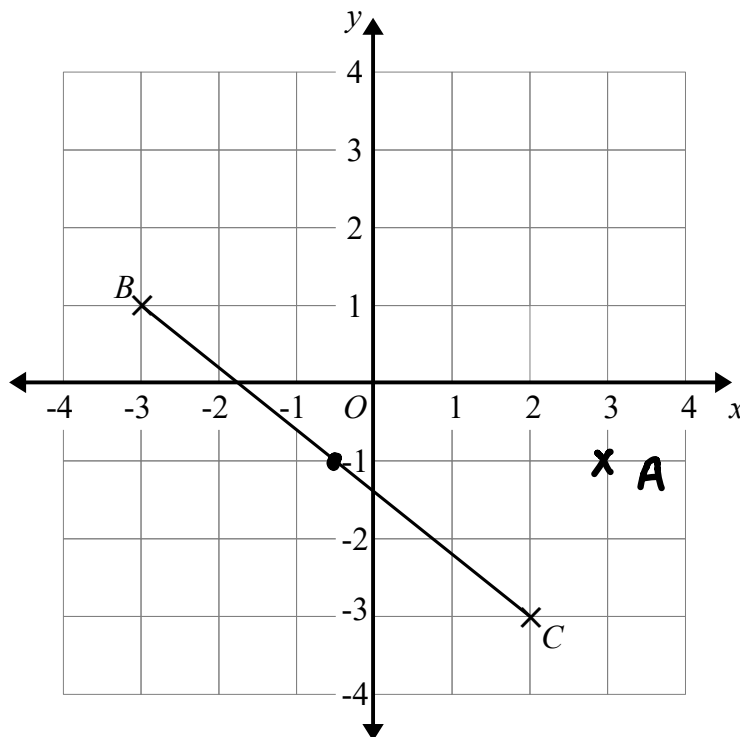
$(0, 1.5)$

(b) Write down the coordinates of the midpoint of BC .

(1)

(Total for question 11 is 2 marks)

12



(a) Plot the point with coordinates $(3, -1)$.
Label this point A .

(1)

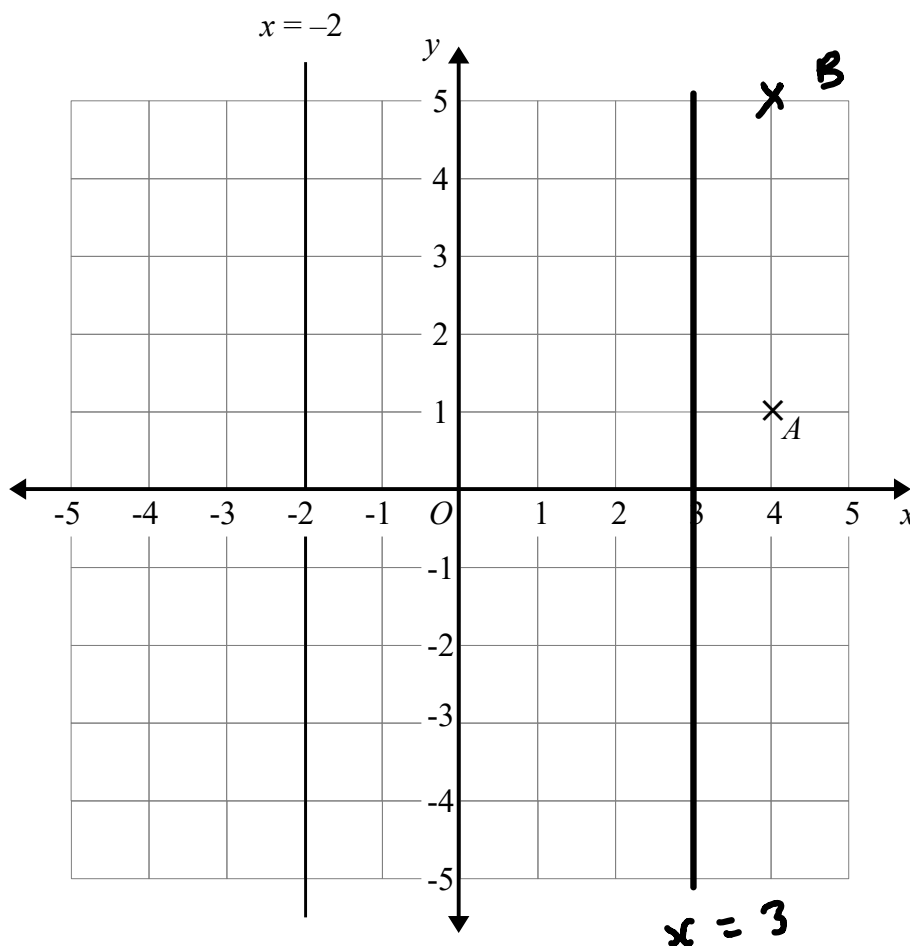
$(-0.5, -1)$

(b) Write down the coordinates of the midpoint of BC .

(1)

(Total for question 12 is 2 marks)

13



(a) Write down the coordinates of point A .

(4, 1)
(1)

(b) On the grid mark with a cross (\times) the point $(4, 5)$. Label this point B .

(1)

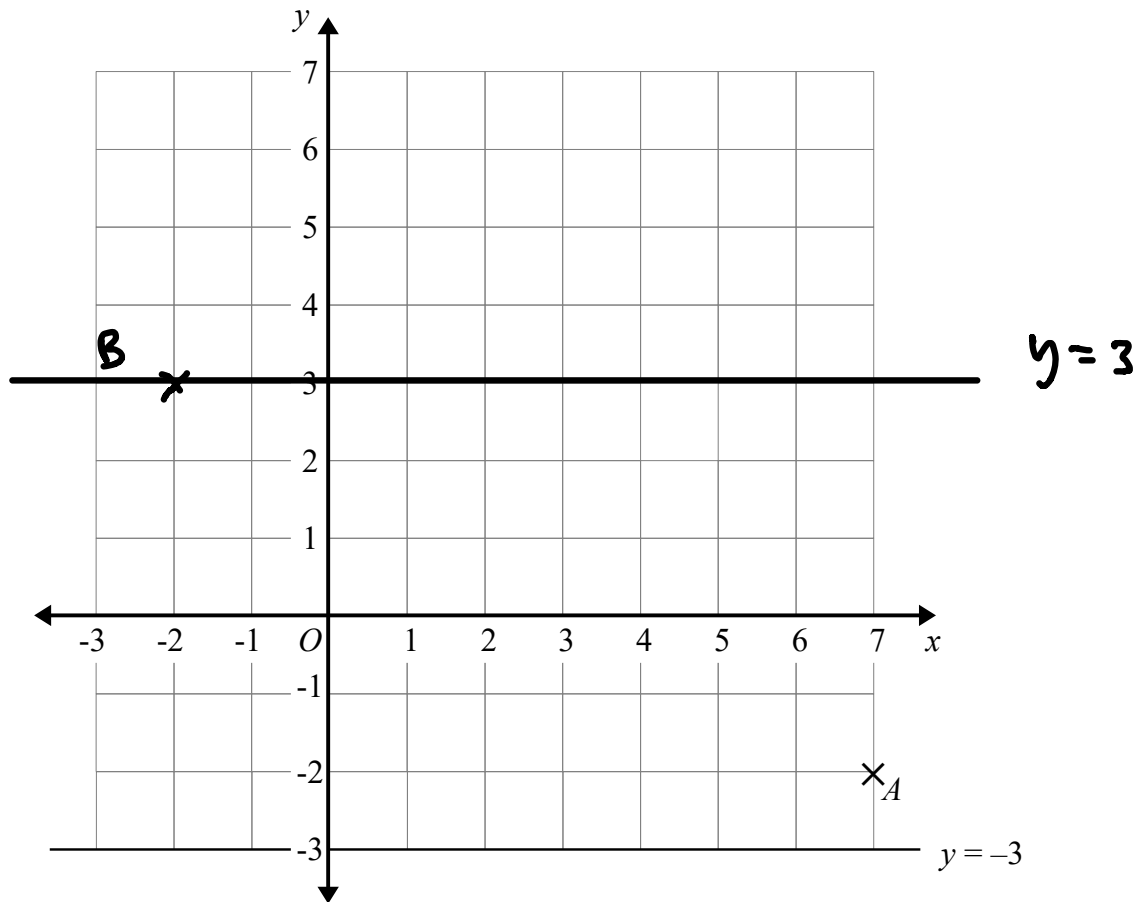
On the grid, the line $x = -2$ is drawn on the diagram.

(c) Draw the line with equation $x = 3$.

(1)

(Total for question 13 is 3 marks)

14



(a) Write down the coordinates of point A .

7 -2
 (.....,)
 (1)

(b) On the grid mark with a cross (X) the point $(-2, 3)$. Label this point B .

(1)

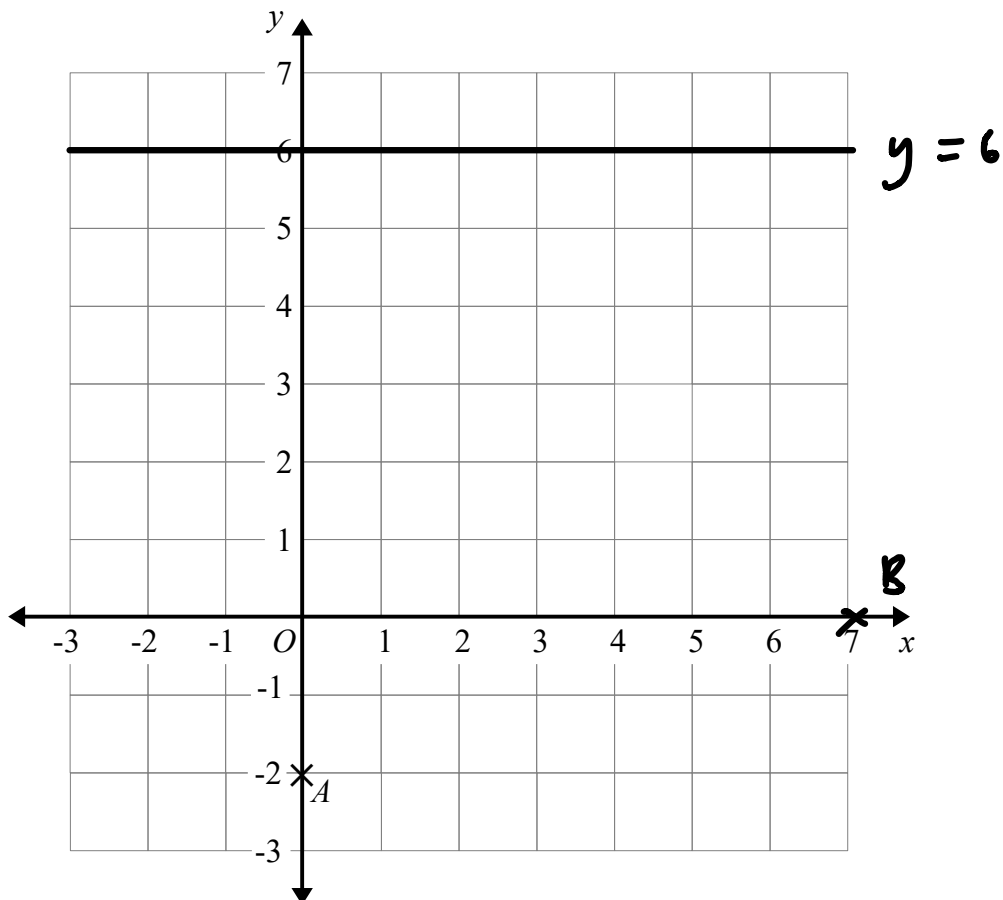
On the grid, the line $y = -3$ is drawn on the diagram.

(c) Draw the line with equation $y = 3$.

(1)

(Total for question 14 is 3 marks)

15



(a) Write down the coordinates of point *A*.

$(0, -2)$

(1)

(b) On the grid mark with a cross (X) the point (7, 0). Label this point *B*.

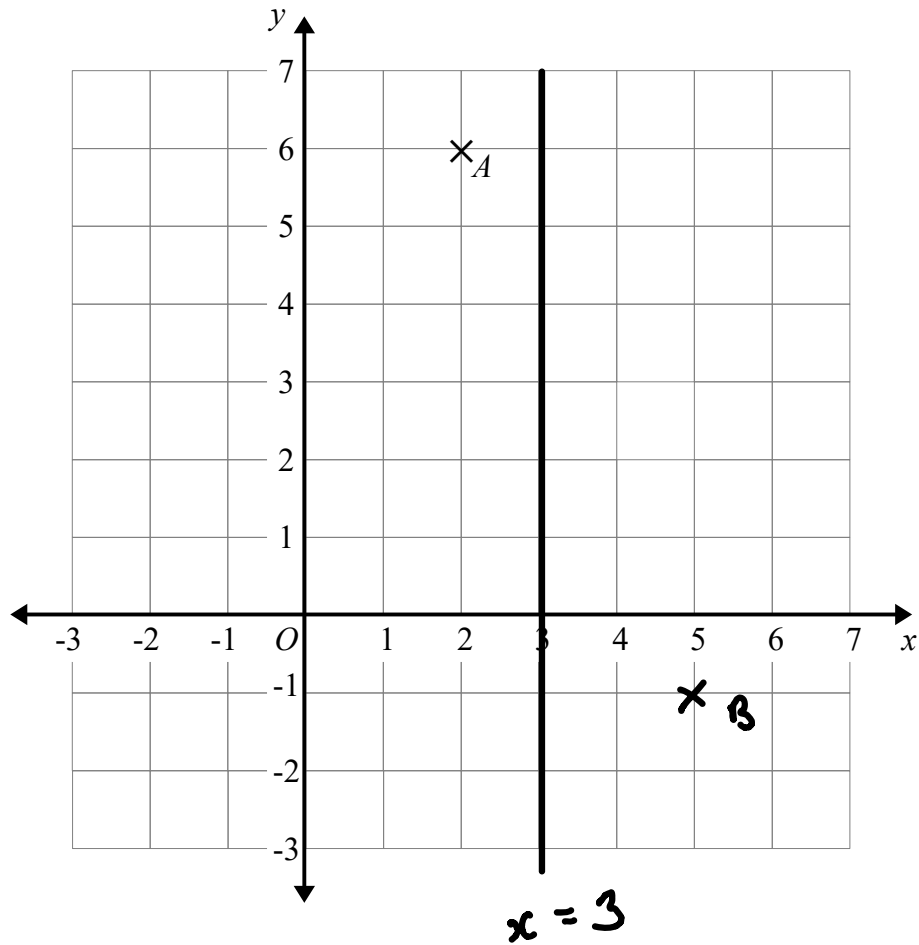
(1)

(c) On the grid, draw the line with equation $y = 6$.

(1)

(Total for question 15 is 3 marks)

16



(a) Write down the coordinates of point A .

(²....., ⁶.....)
(1)

(b) On the grid mark with a cross (X) the point (5, -1).
Label this point B .

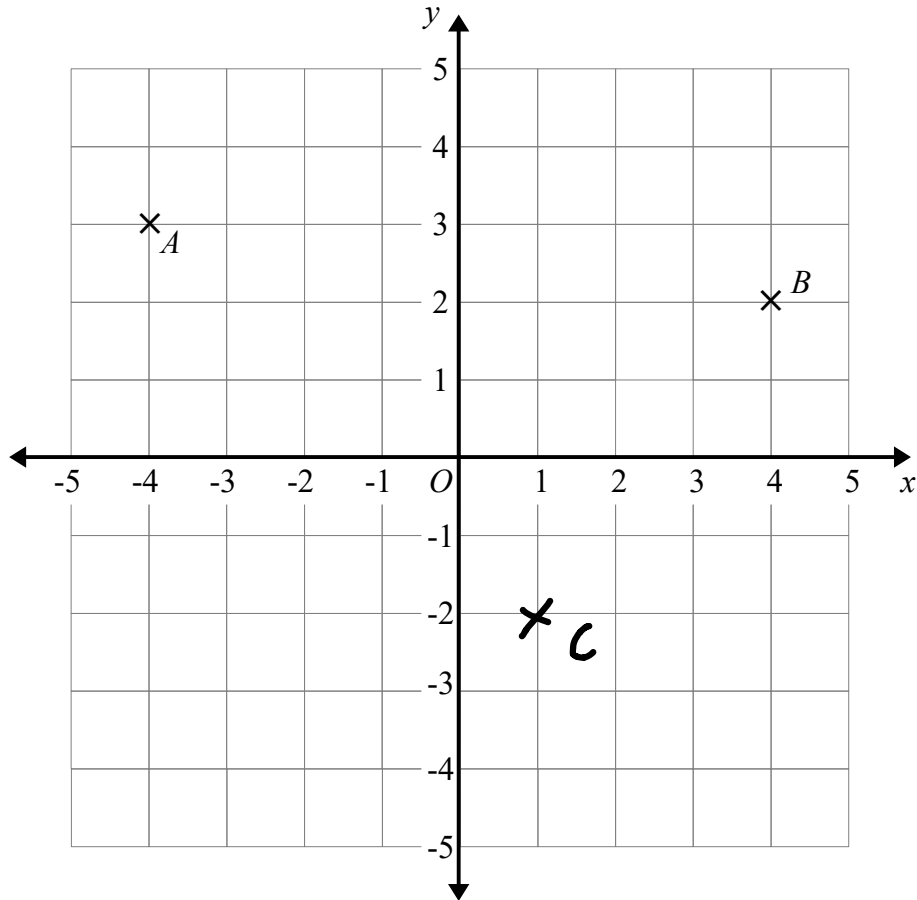
(1)

(c) On the grid, draw the line with equation $x = 3$

(1)

(Total for question 16 is 3 marks)

17



(a) Write down the coordinates of point A .

$(-4, 3)$
(1)

(b) Find the coordinates of the midpoint of AB .

$(0, 2.5)$
(1)

(c) On the grid mark with a cross (\times) the point $(1, -2)$.
Label this point C .

(1)

(Total for question 17 is 3 marks)