Name: _____

GCSE (1 – 9)

Coordinates

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
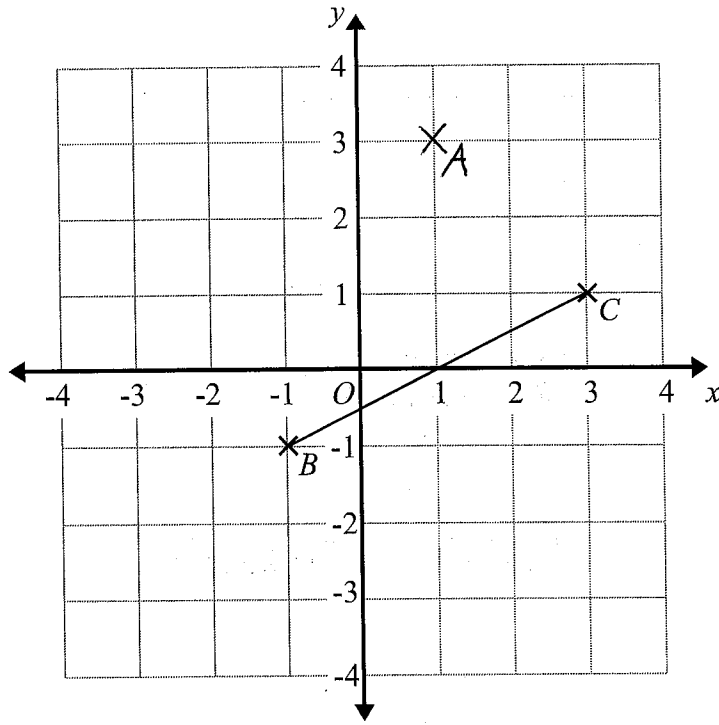- You must **show all your working out.**

Information

- The marks for each question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end

1

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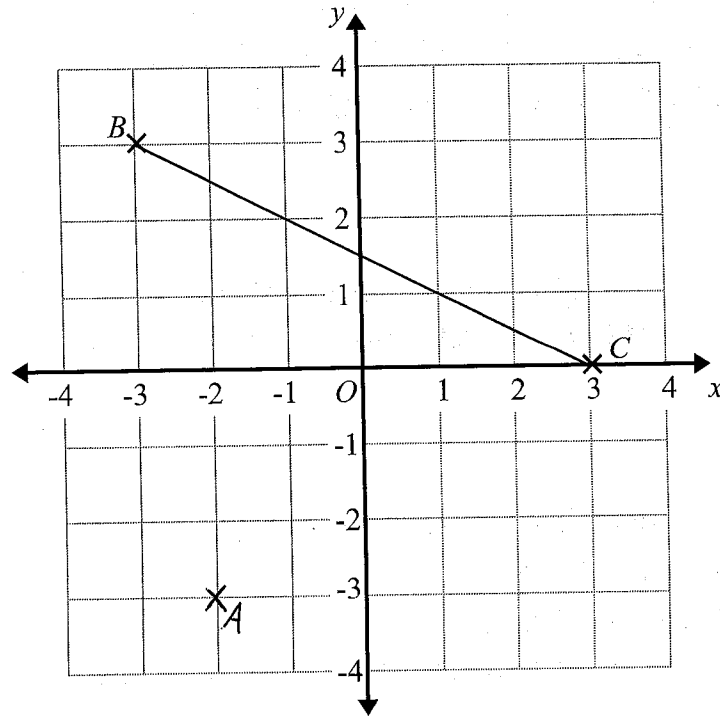Label this point A.

(1)

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

(.....1...... , ...0......)

(1)

(Total for question 1 is 2 marks)

2

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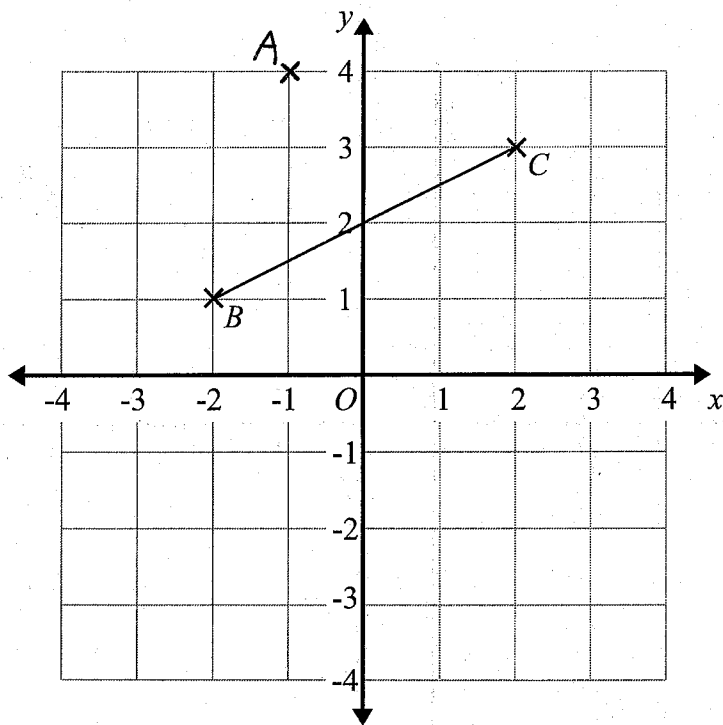Label this point A.

(1)

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

(...0...... , ...1.5..)

(1)

(Total for question 2 is 2 marks)

3

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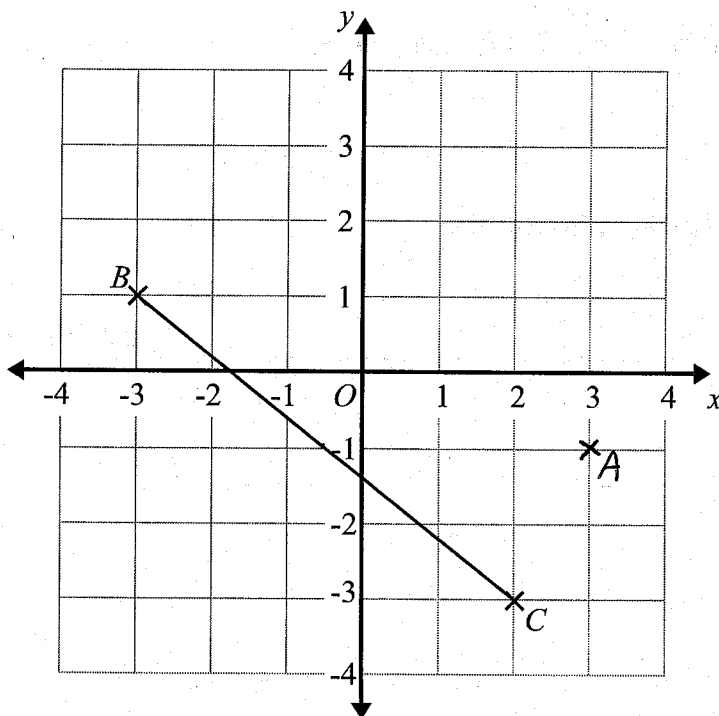Label this point *A*.

(1)

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

(...*0*..., ...*2*...)

(1)

(Total for question 3 is 2 marks)

4

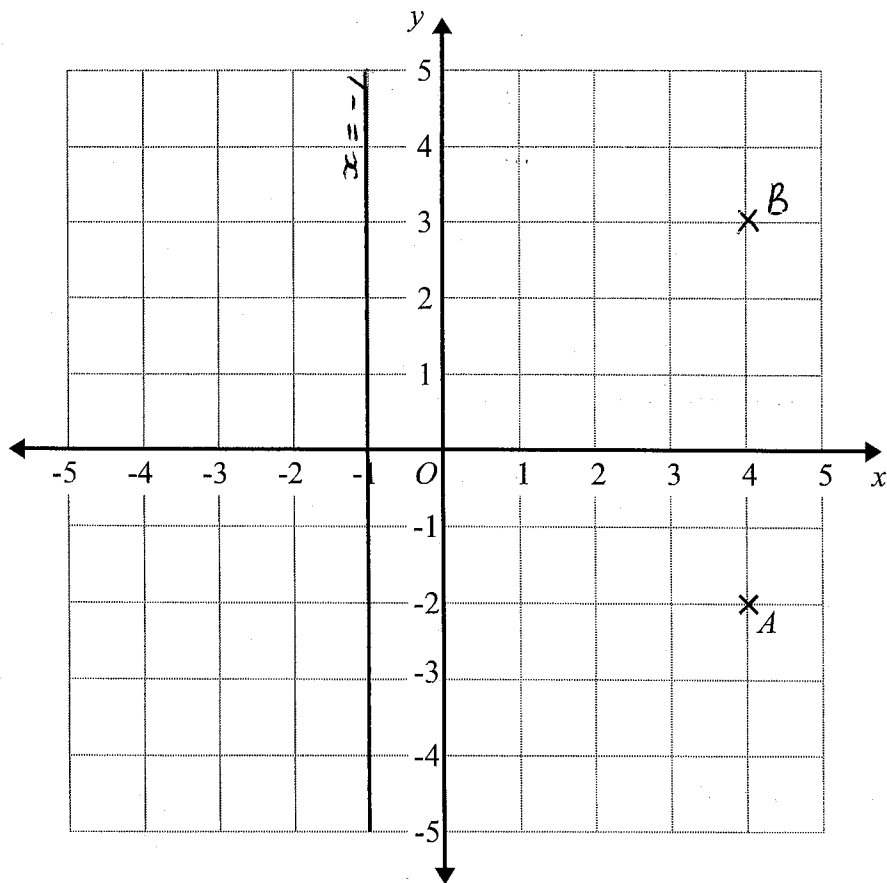(a) Plot the point with coordinates (3, −1).
Label this point *A*.

(1)

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

(...*−0.5*..., ...*−1*...)

(1)

(Total for question 4 is 2 marks)

5

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

$(\underline{\ \ 4\ \ }, \underline{\ \ -2\ \ })$

(1)

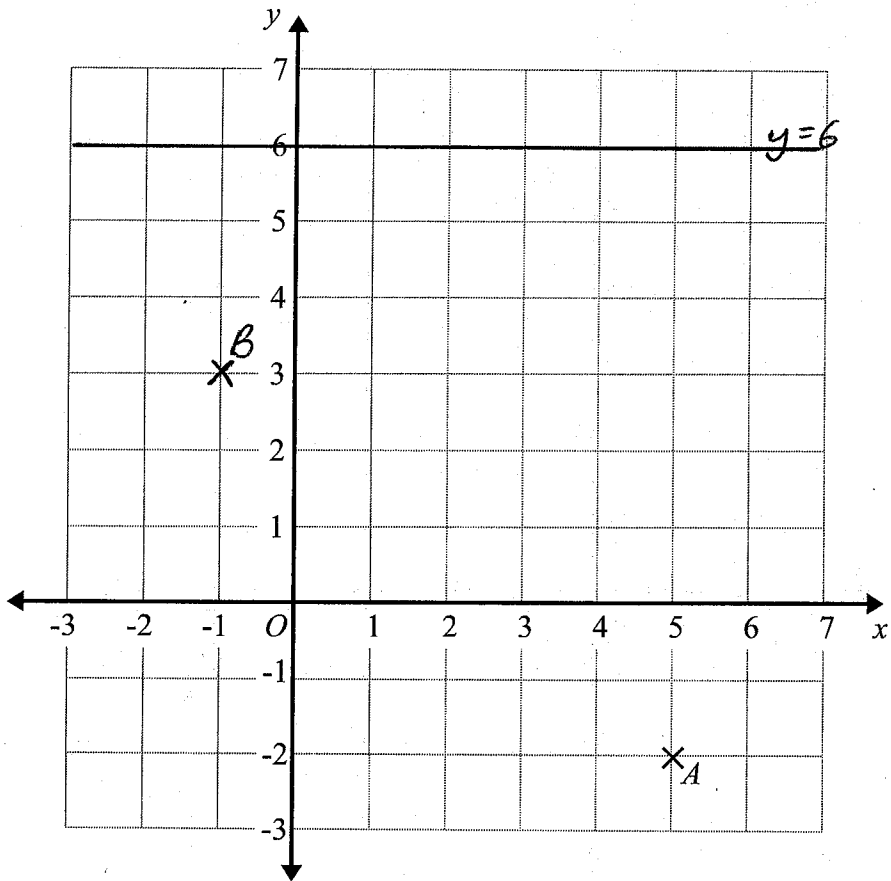(b) On the grid mark with a cross (✕) the point (4, 3).
Label this point *B*.

(1)

(c) On the grid, draw the line with equation $x = -1$

(1)

(Total for question 5 is 3 marks)

6

(a) Write down the coordinates of point *A*.
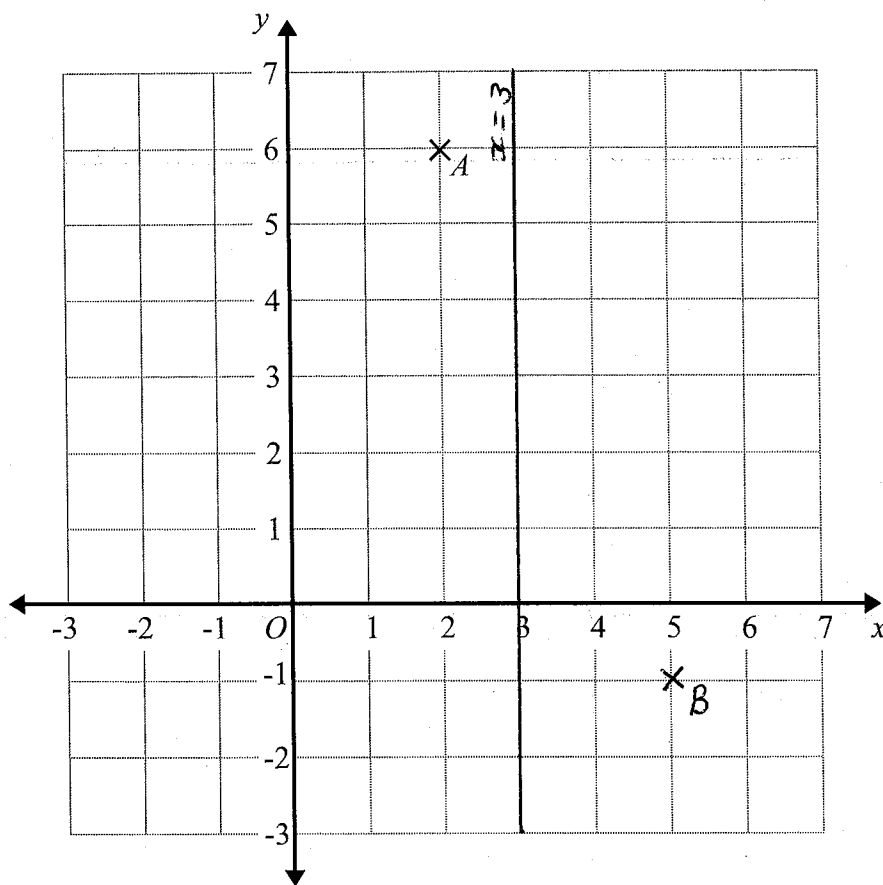
(............5......, ...−2.....)

(1)

(b) On the grid mark with a cross (✗) the point (−1, 3).
Label this point *B*.

(1)

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

(1)

(Total for question 6 is 3 marks)

7

(a) Write down the coordinates of point A.

(.......2......., ...6.......)

(1)

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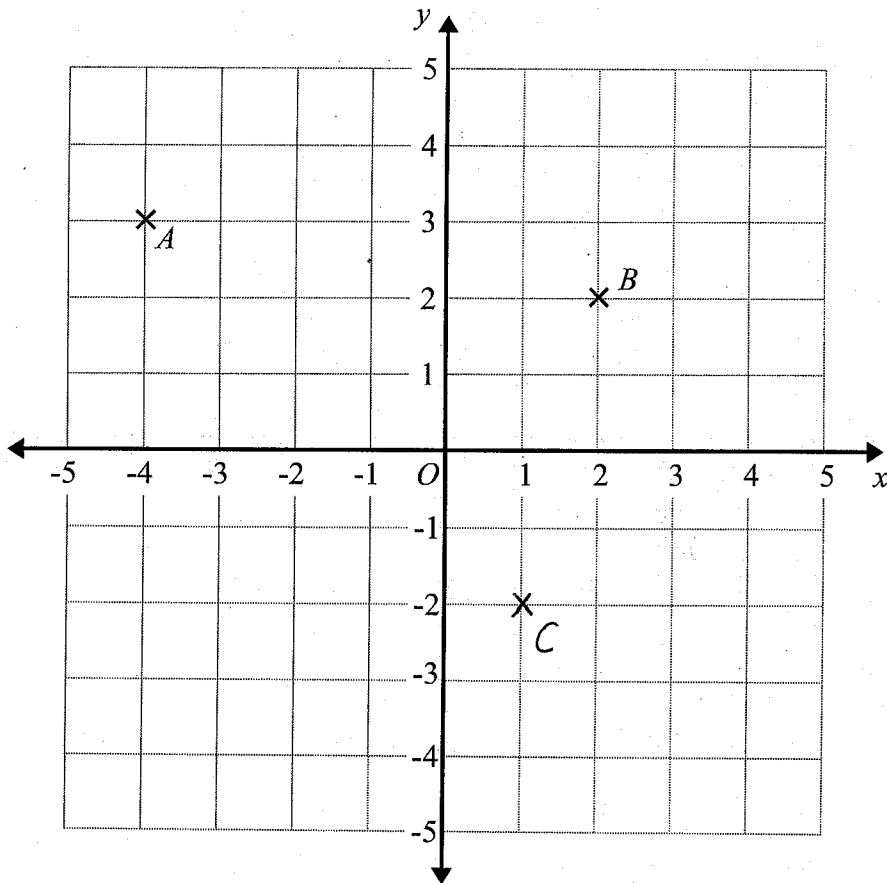Label this point B.

(1)

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

(1)

(Total for question 7 is 3 marks)

8

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

(........−4......., ...3.......)

(1)

(b) Find the coordinates of the midpoint of *AB*.
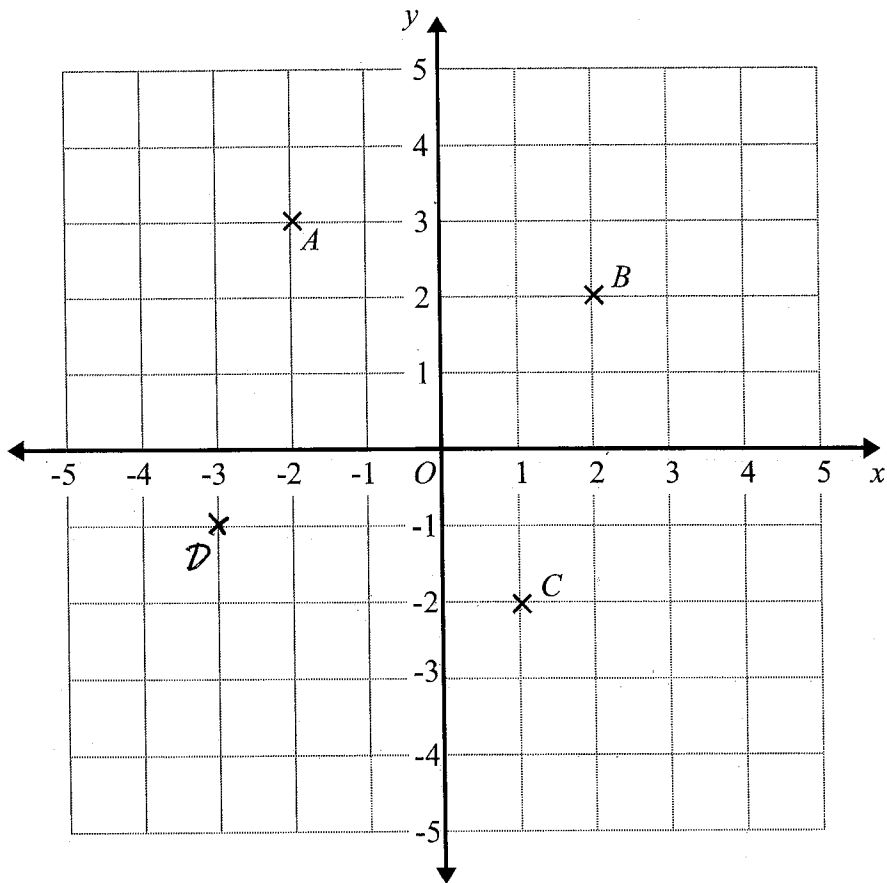
(........−1........., ...2.5......)

(1)

(c) On the grid mark with a cross (✗) the point (1,−2).
Label this point *C*.

(1)

(Total for question 8 is 3 marks)

9

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

(....1...., ...−2...)
(1)

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

(....0...., ...2.5...)
(1)

ABCD is a square.

(1)

(c) On the grid mark with a cross (✗) the point *D* so that *ABCD* is a square.

(Total for question 9 is 3 marks)