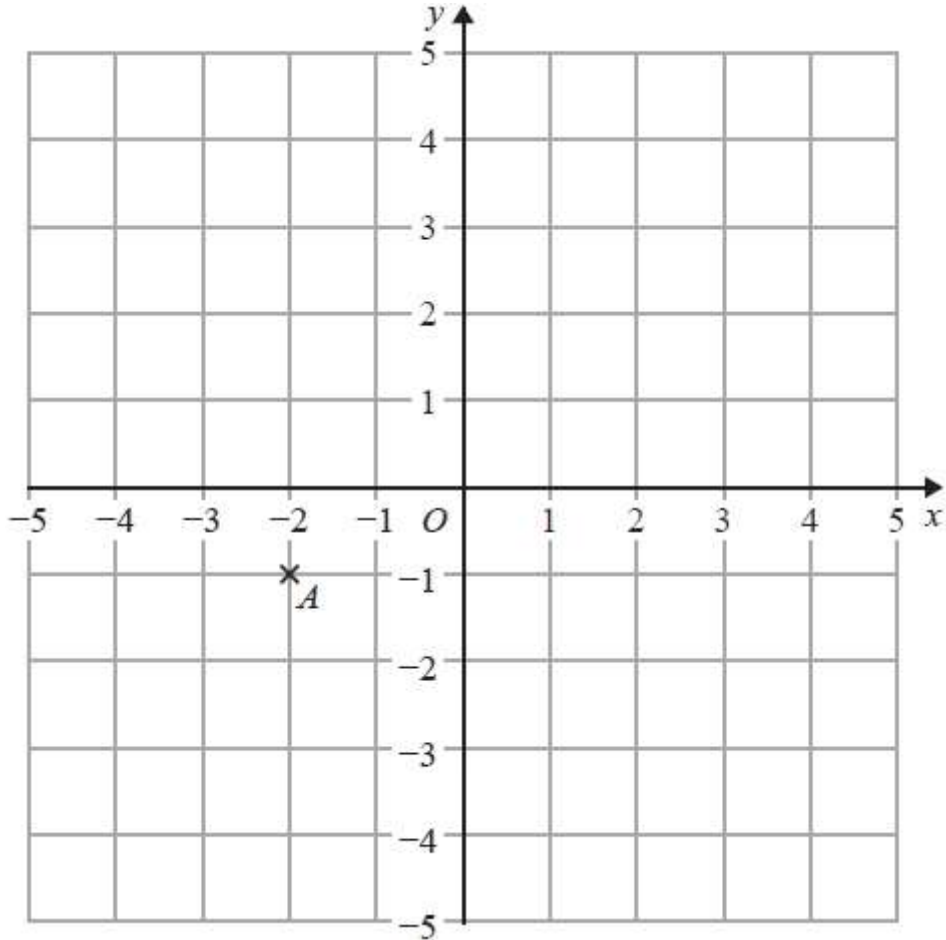


GCSE QUESTIONS

Q1. NON-CALCULATOR



(a) Write down the coordinates of point A.

(..... ,)

(1)

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

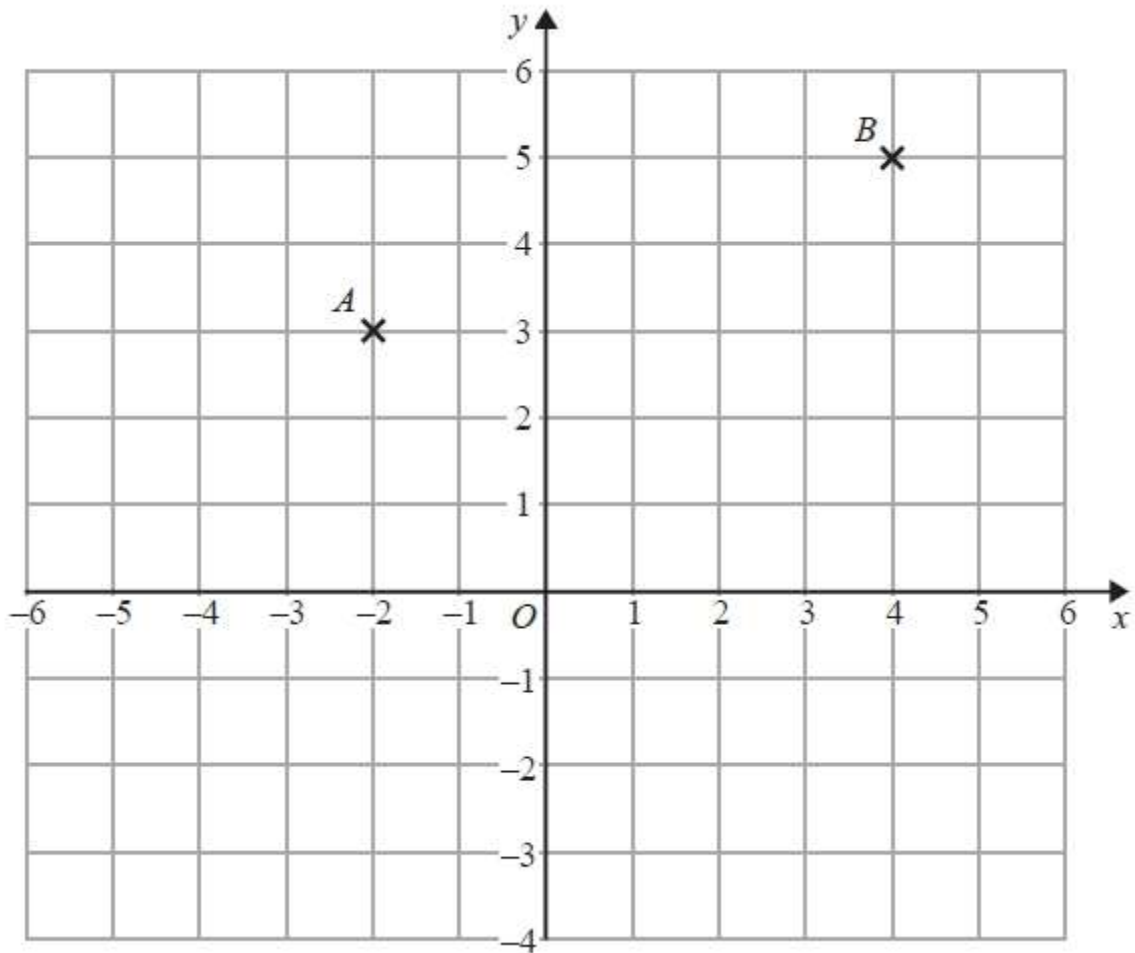
(1)

(c) On the grid, draw the line with equation $x = -4$

(1)

(Total for question = 3 marks)

Q2. NON-CALCULATOR



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

(.....,) (1)

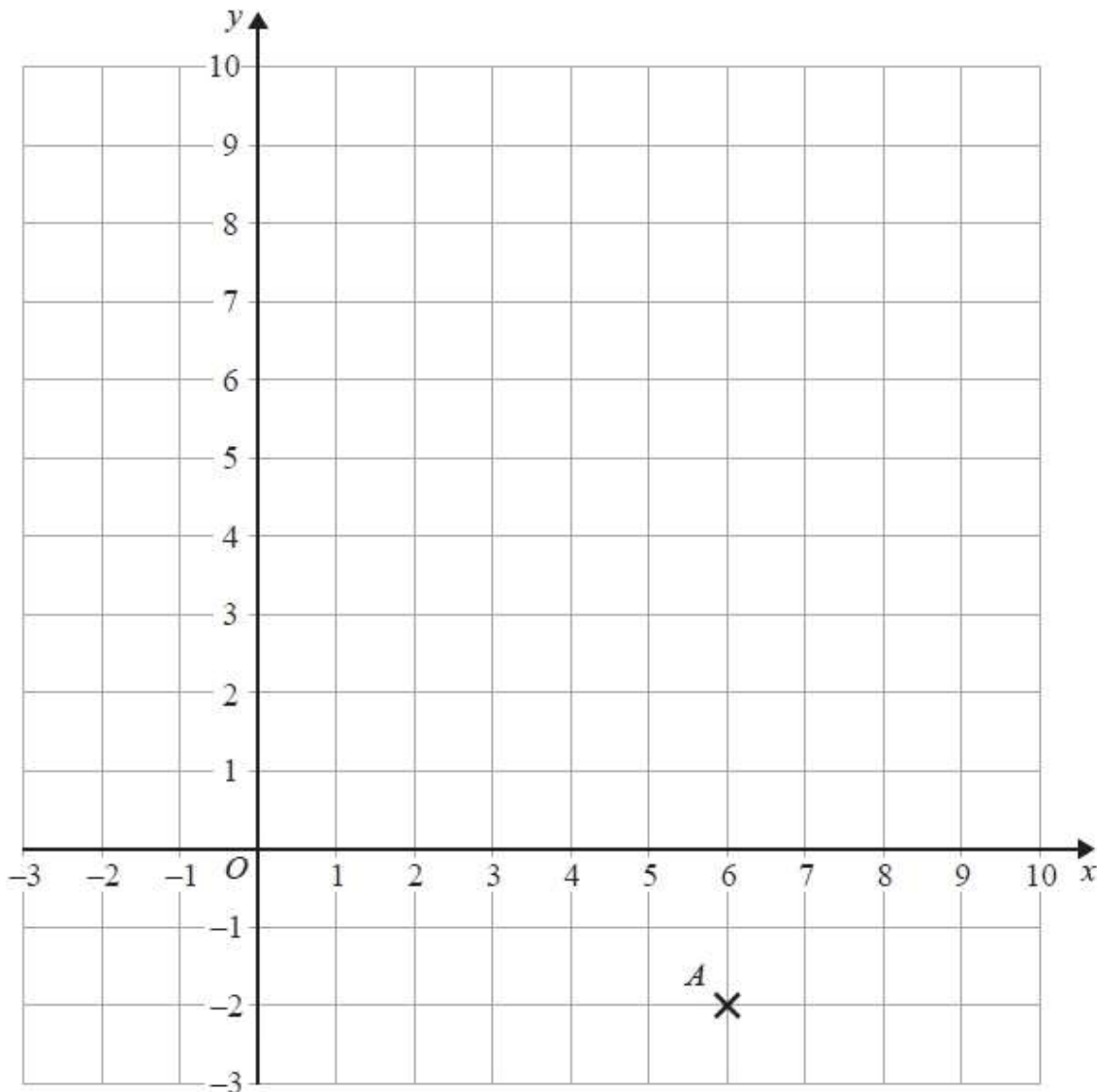
(b) Find the coordinates of the midpoint of *AB*.

(.....,) (1)

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

(1)
(Total for question = 3 marks)

Q3. NON-CALCULATOR



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

(..... ,)

(1)

(b) (i) Plot the point with coordinates (2, 9).

Label this point B.

(1)

(ii) Does point B lie on the straight line with equation $y = 4x + 1$?

You must show how you get your answer.

.....

(1)

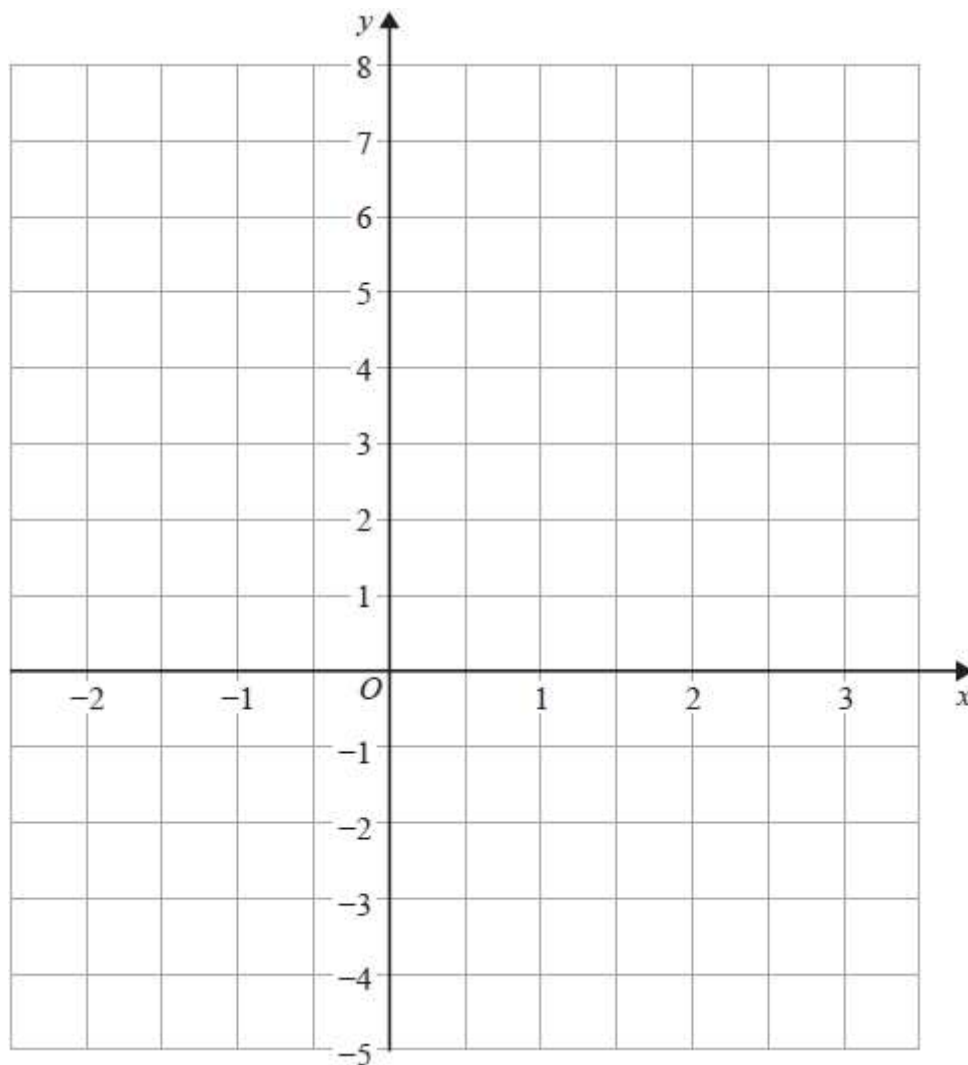
(c) On the grid, draw the line with equation $x = -2$

(1)

(Total for question = 4 marks)

Q4. NON-CALCULATOR

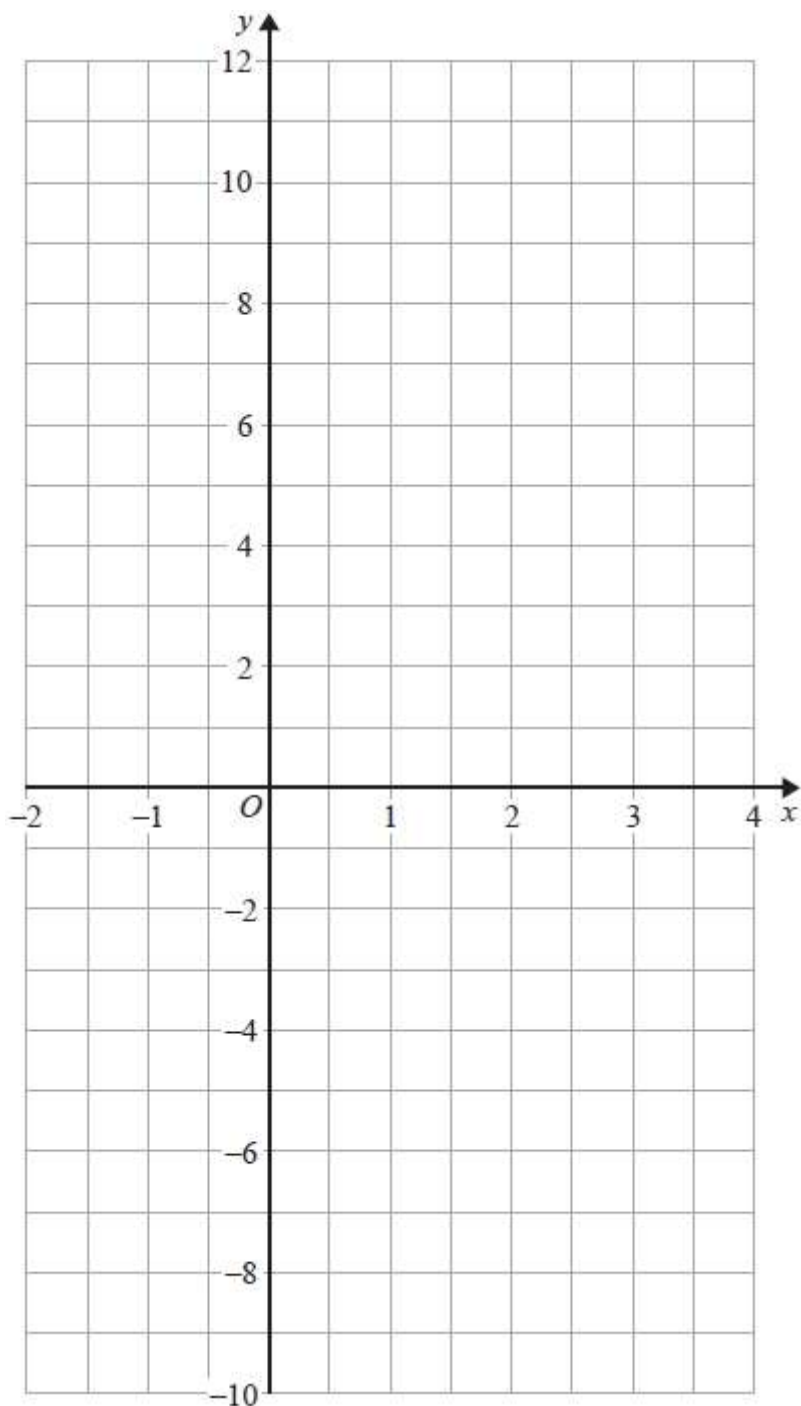
On the grid, draw the graph of $y = 2x + 1$ for values of x from -2 to 3



(Total for question = 3 marks)

Q5. NON-CALCULATOR

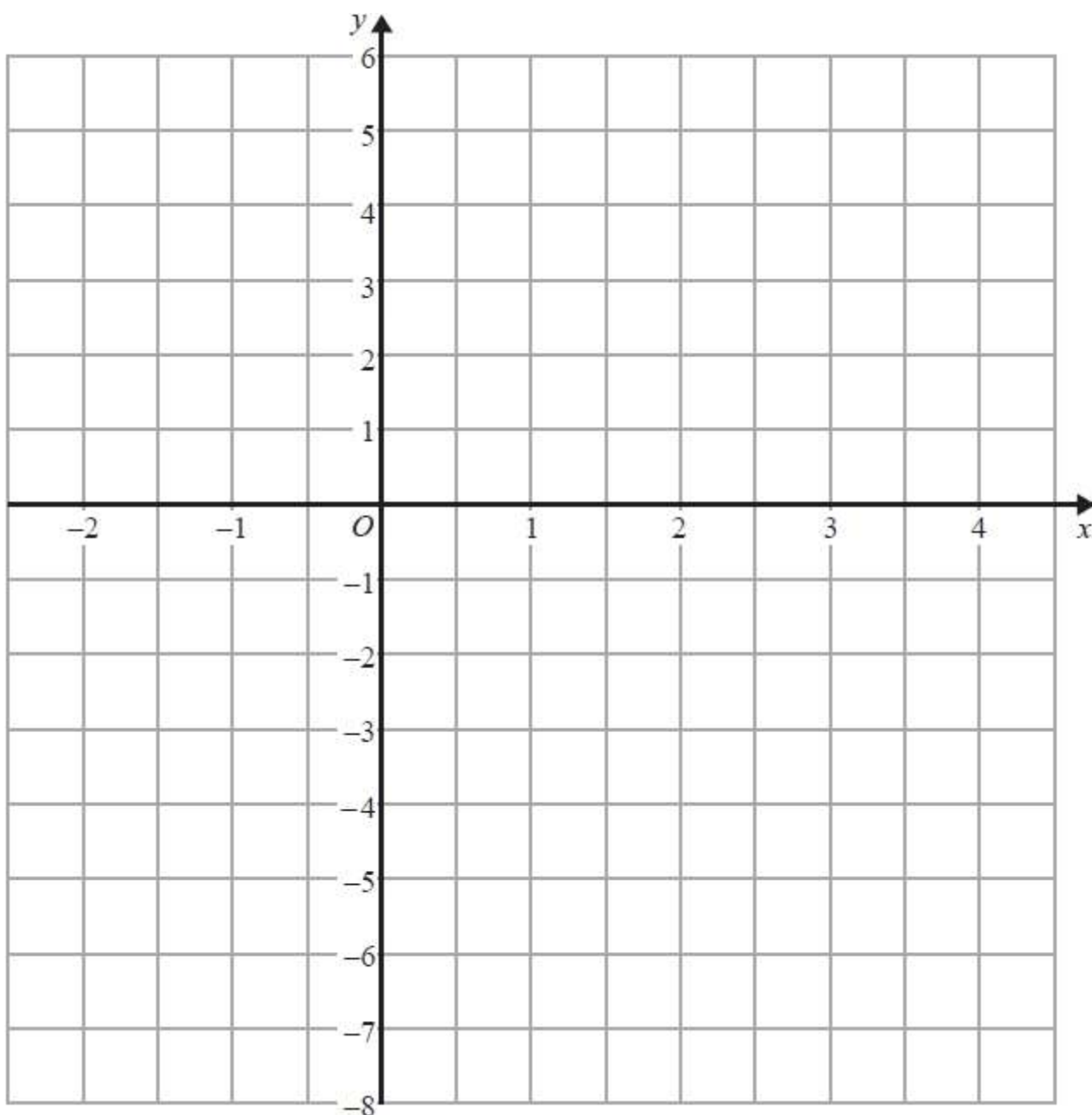
On the grid, draw the graph of $y = 3x - 2$ for values of x from -2 to 4



(Total for question = 3 marks)

Q6. NON-CALCULATOR

On the grid below, draw the graph of $y = 2x - 3$ for values of x from -2 to 4



(Total for question = 3 marks)

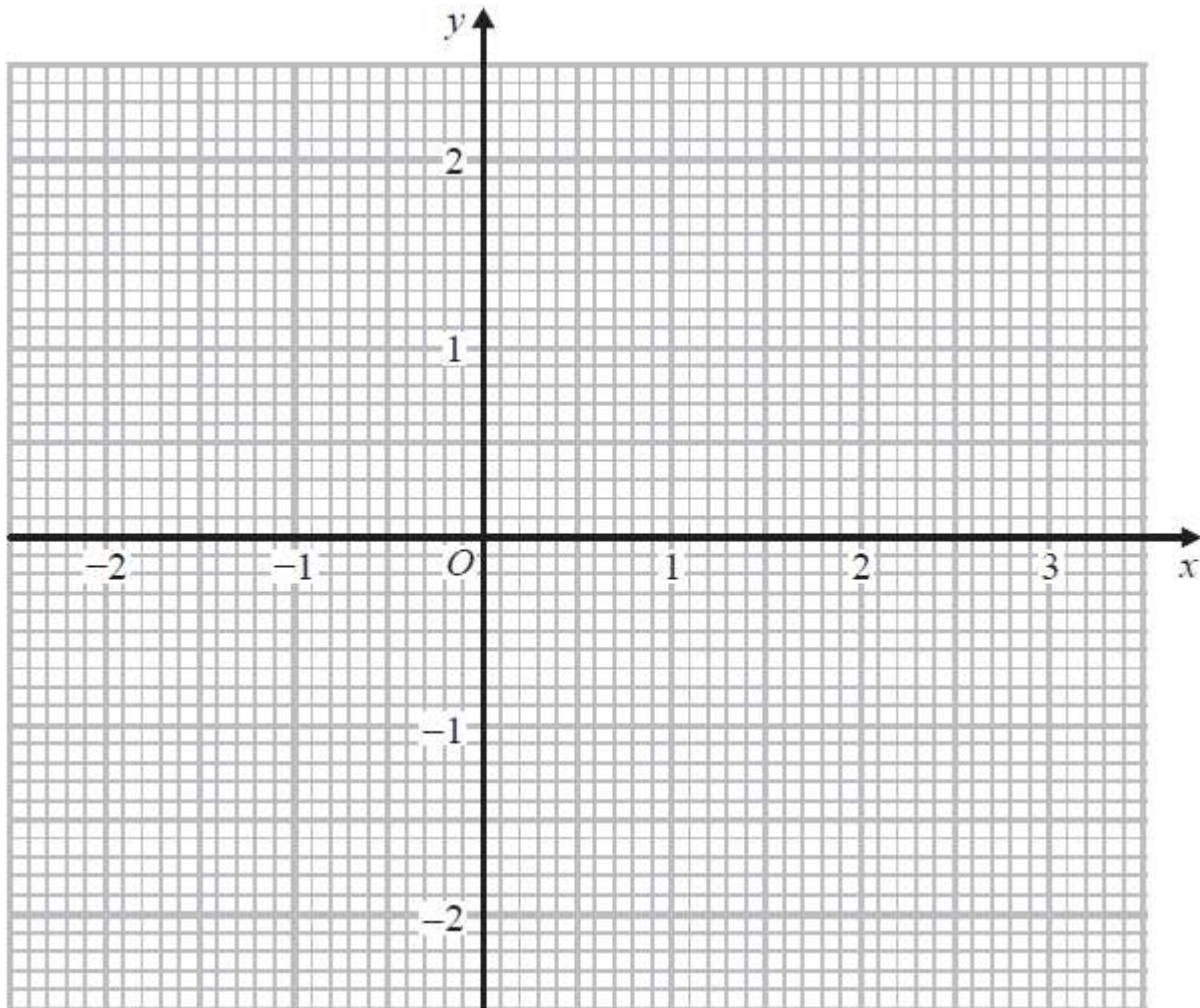
Q7. NON-CALCULATOR

(a) Complete the table of values for $y = \frac{1}{2}x - 1$

x	-2	-1	0	1	2	3
y	-2				0	

(2)

(b) On the grid, draw the graph of $y = \frac{1}{2}x - 1$ for values of x from -2 to 3



(2)

(c) Use your graph to find the value of x when $y = 0.3$

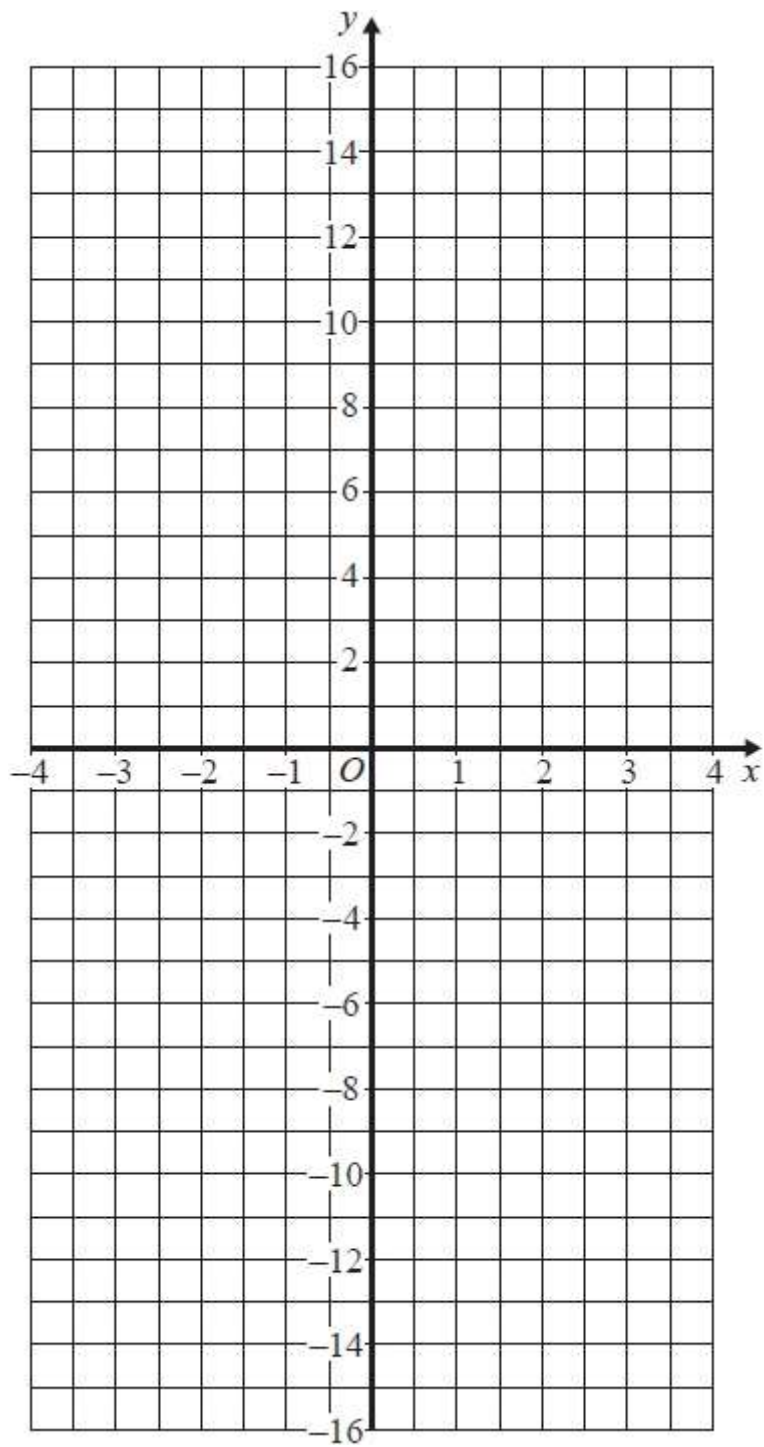
$x = \dots\dots\dots$

(1)

(Total for question = 5 marks)

Q8. NON-CALCULATOR

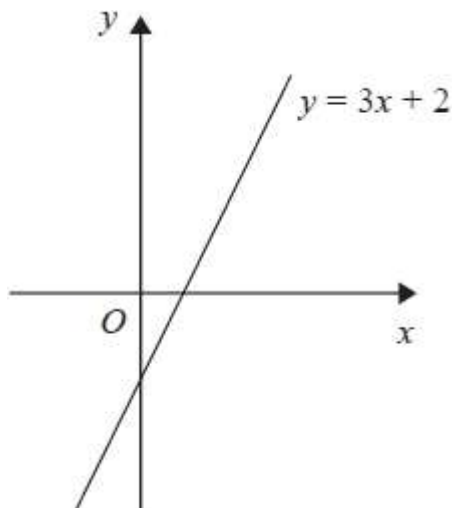
On the grid below, draw the graph of $y = 1 - 4x$ for values of x from -3 to 3



(Total for question = 3 marks)

Q9. NON-CALCULATOR

Shona has to draw the line with equation $y = 3x + 2$
Here is her line.



(c) Explain why Shona's line **cannot** be correct.

.....
(1)
(Total for question = 1 marks)

Q10. NON-CALCULATOR

Here are the equations of four straight lines.

- Line A $y = 2x + 4$
- Line B $2y = x + 4$
- Line C $2x + 2y = 4$
- Line D $2x - y = 4$

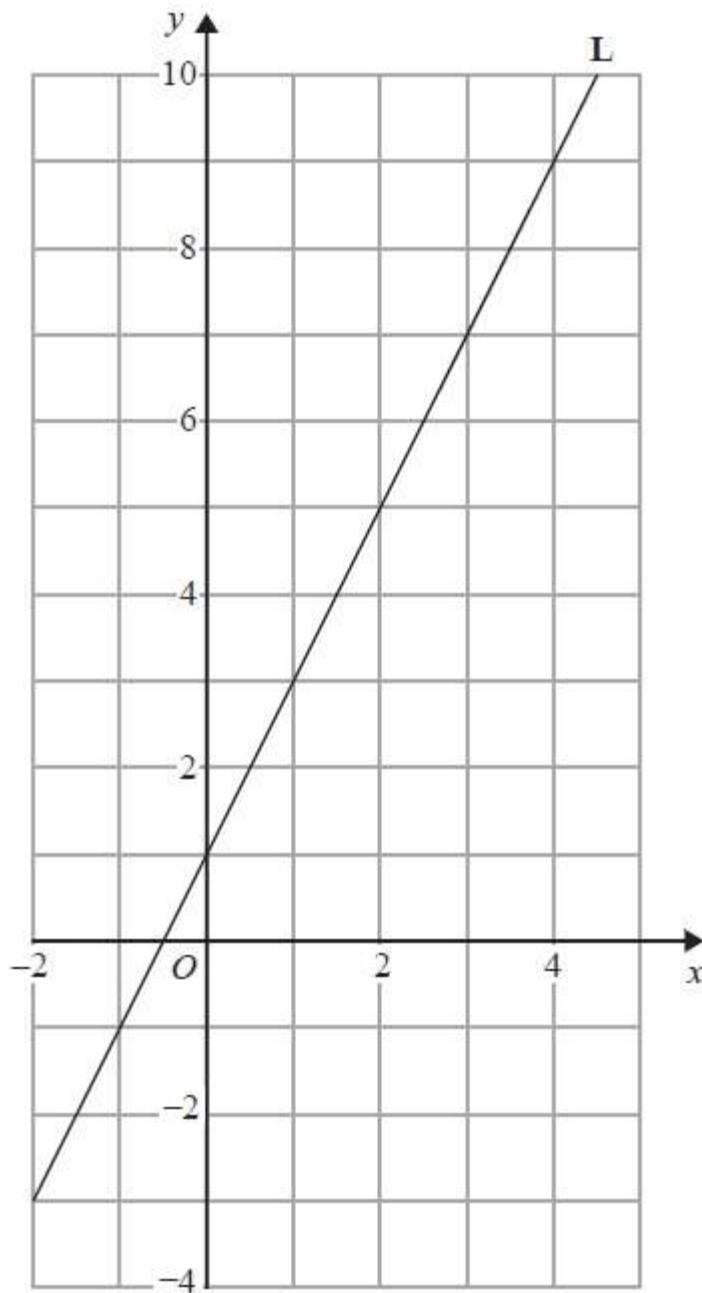
Two of these lines are parallel.
Write down the two parallel lines.

Line and line

(Total for question is 1 mark)

Q11. NON-CALCULATOR

Line **L** is drawn on the grid below.

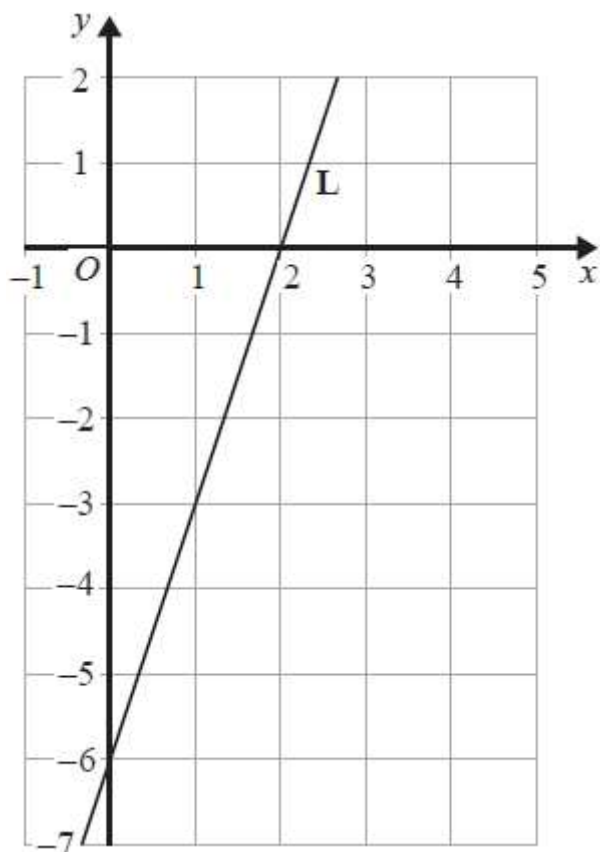


Find the equation for the straight line **L**.
Give your answer in the form $y = mx + c$

.....
(Total for question is 3 marks)

Q12. NON-CALCULATOR

The line **L** is shown on the grid.

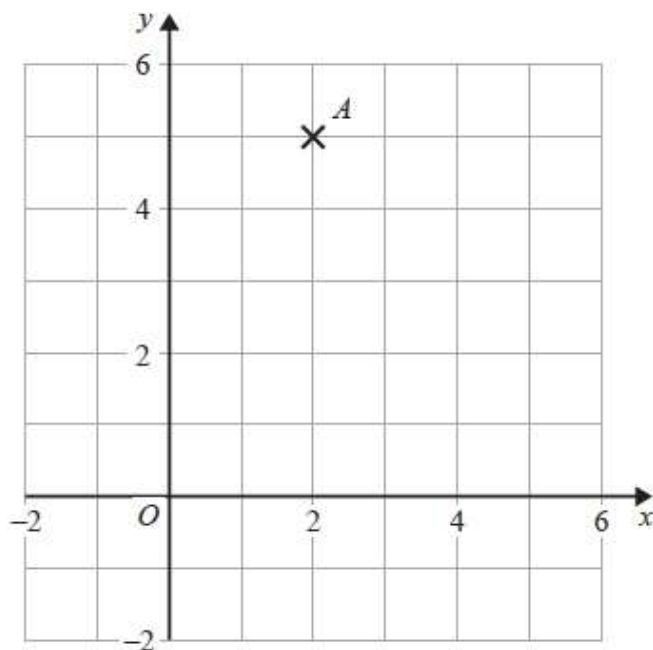


Find an equation for **L**.

.....
(Total for question = 3 marks)

Q13. NON-CALCULATOR

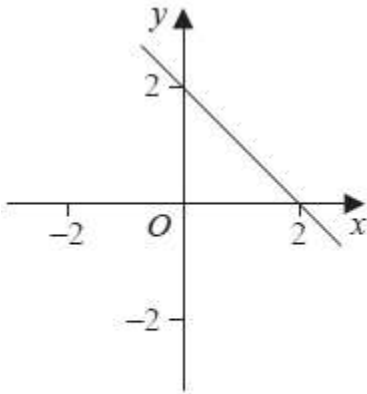
Find an equation of the straight line with gradient 3 that passes through point A.



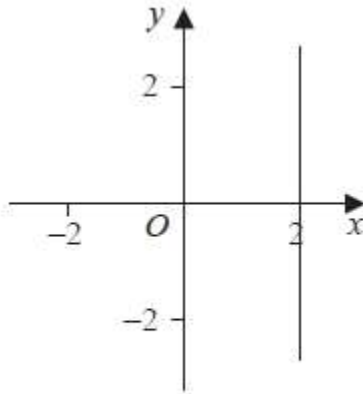
.....
(Total for question = 2 marks)

Q14. NON-CALCULATOR

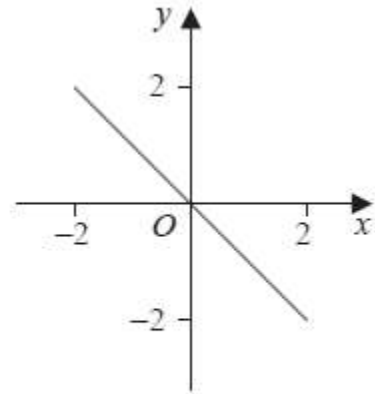
Here are six straight line graphs.



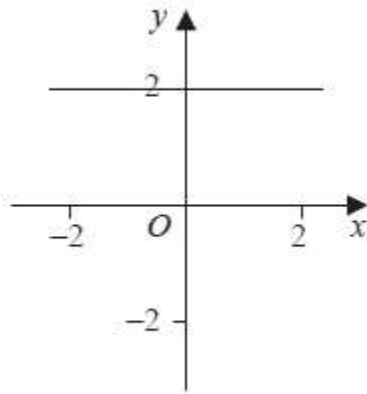
Graph A



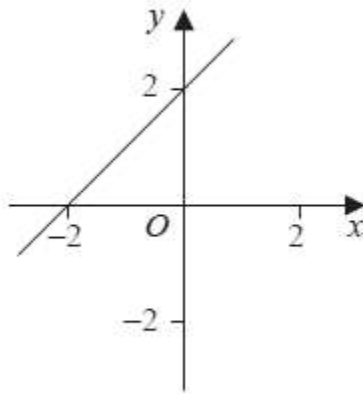
Graph B



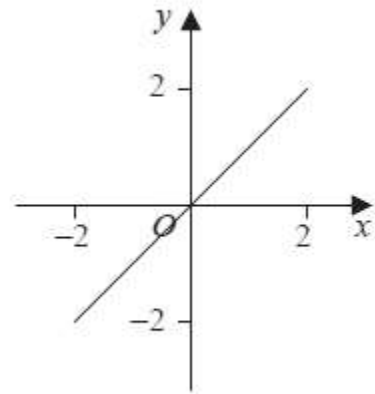
Graph C



Graph D



Graph E



Graph F

Match each equation in the table to the correct graph.
Write the letter of the graph in the table.

Equation	Graph
$y = 2$	
$y = x$	
$x + y = 2$	

(Total for question = 2 marks)