Name: _____

GCSE (1 – 9)

Linear Graphs

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

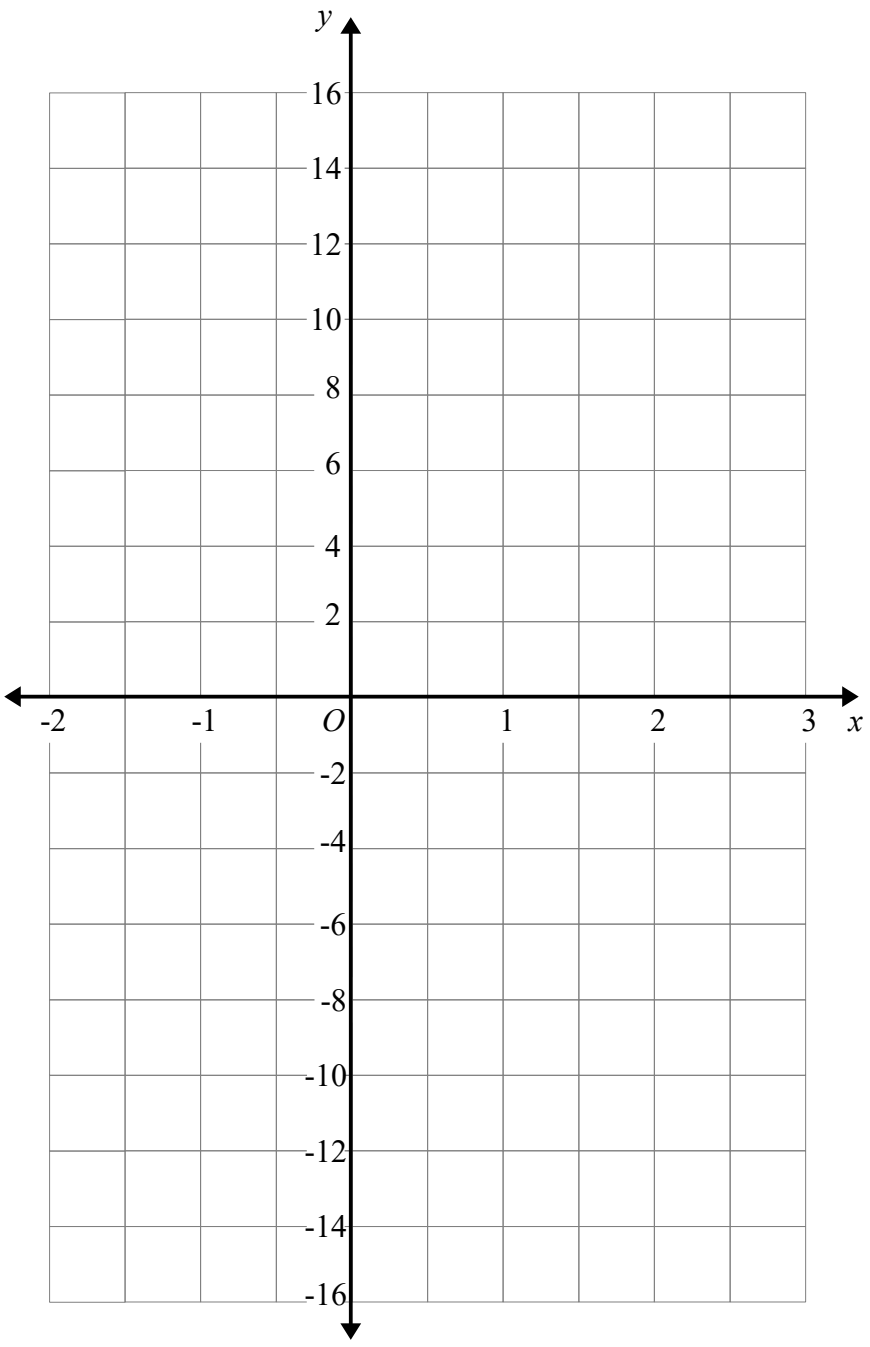
- Read each Question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every Question.
- Check your answers if you have time at the end

1 (a) Complete the table of values for $y = 4x - 4$

x	-2	-1	0	1	2	3
y						

(2)

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



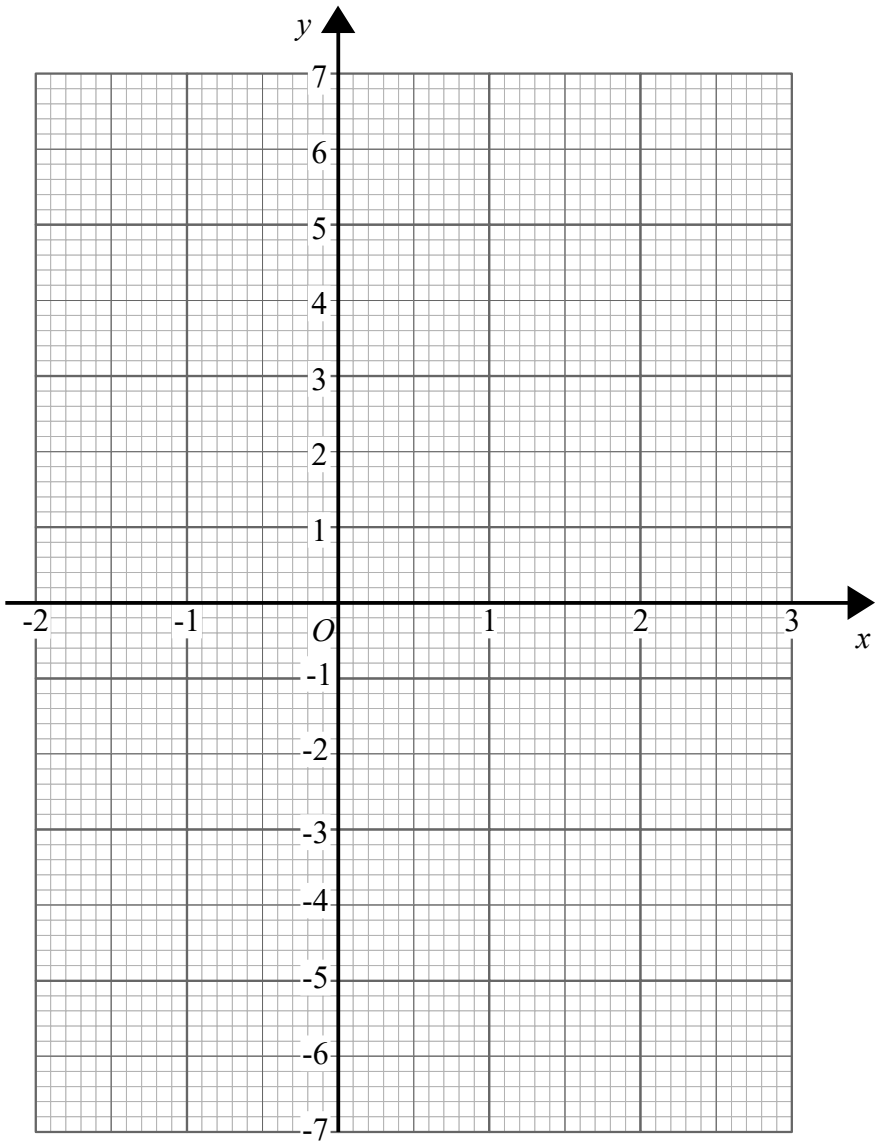
(2)

(Total for question 1 is 4 marks)

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

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

(2)



(b) On the grid draw the graph of $y = 2x + 1$ for values of x from –2 to 3 (2)

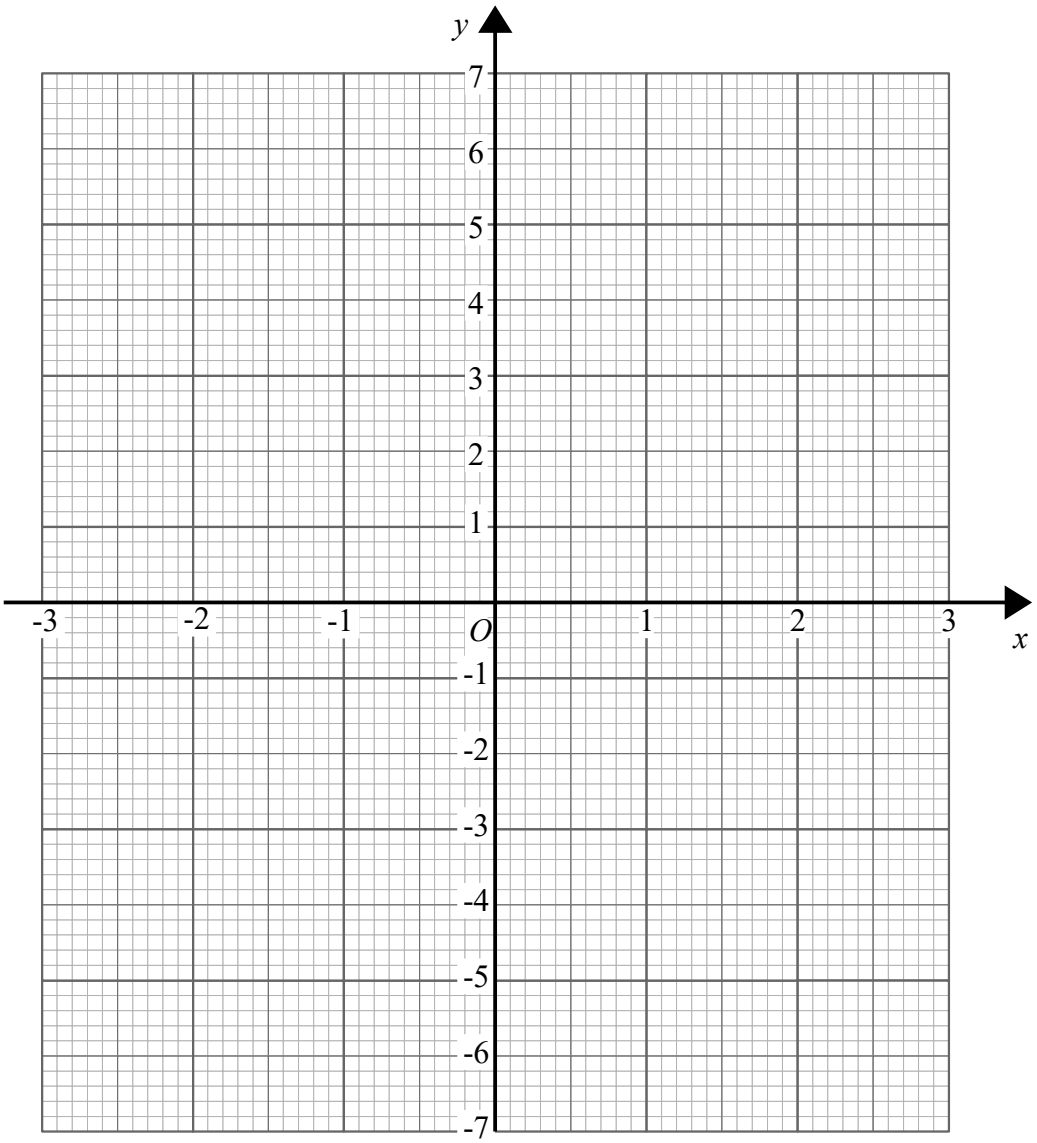
(c) Use your graph to find the value of y when $x = 0.4$

…….……

(1)

(Total for question 2 is 5 marks)

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



(3)

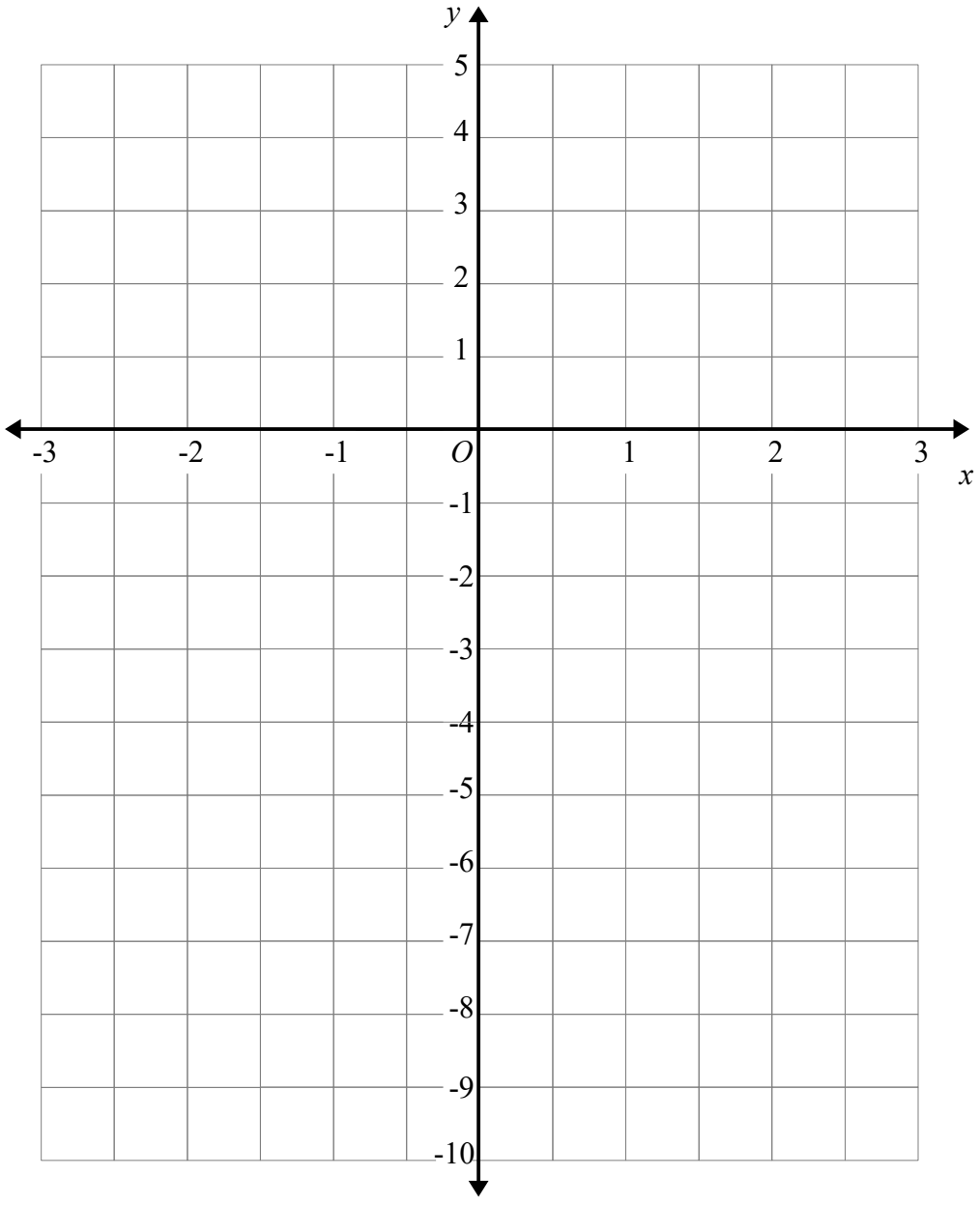
(b) Use your graph to find the value of x when $y = 1.8$

…….....…….....…….....…

(1)

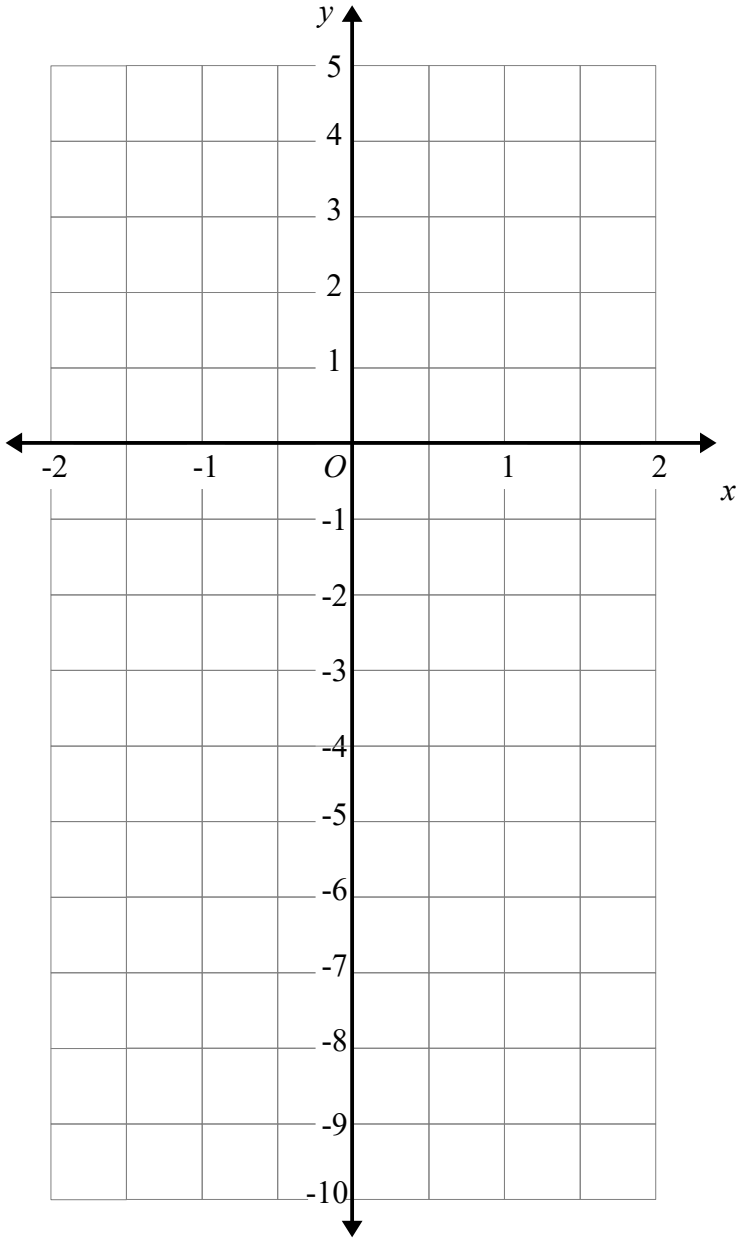
(Total for question 3 is 4 marks)

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



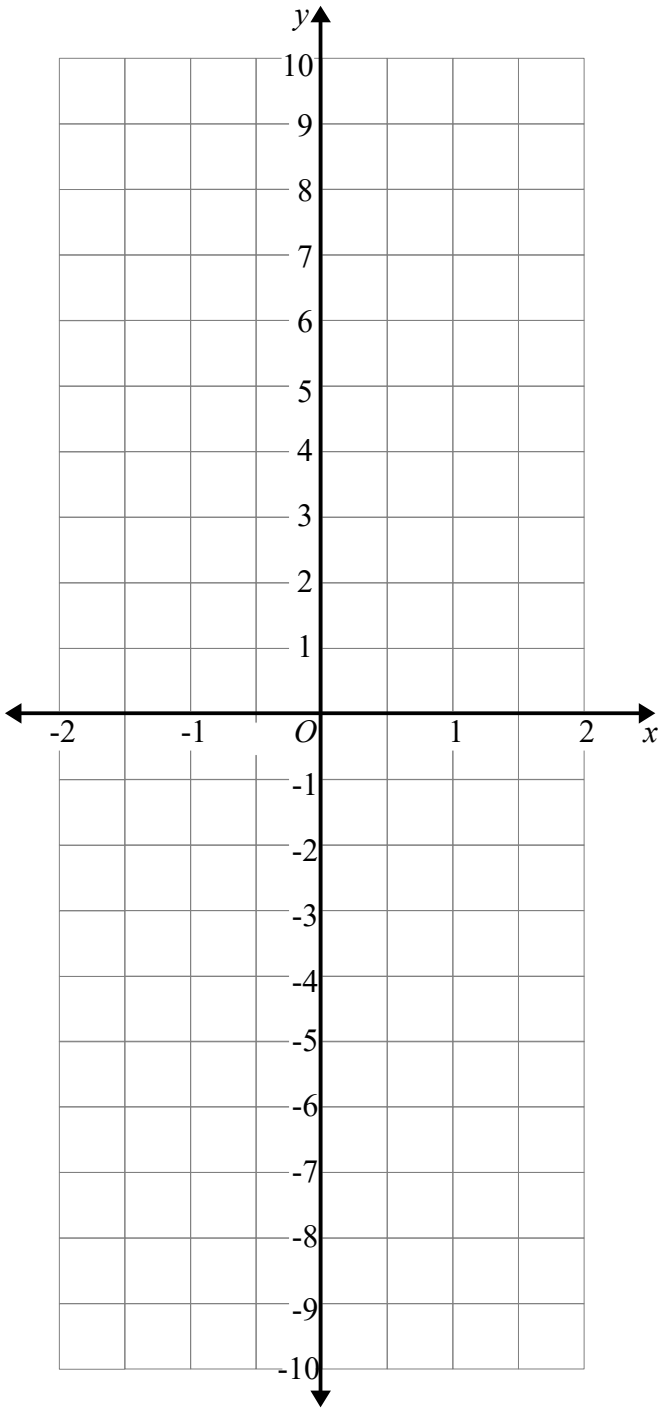
(Total for question 4 is 3 marks)

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



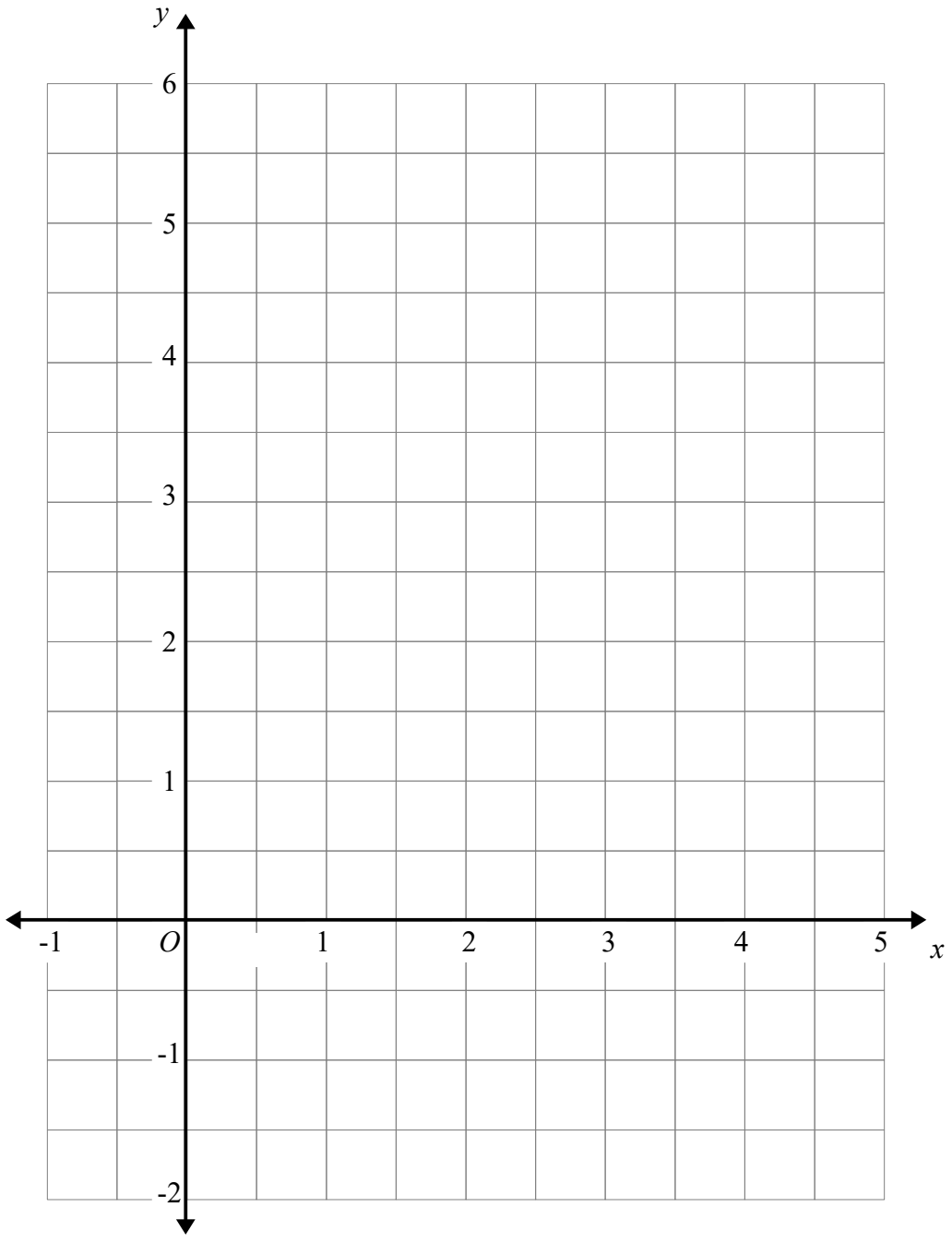
(Total for question 5 is 3 marks)

6 On the grid, draw the graph of $y = 1 - 4x$ for values of x from -2 to 2



(Total for question 6 is 3 marks)

7 On the grid, draw the graph of $x + y = 4$ for x values from -1 to 5



(Total for question 7 is 3 marks)