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
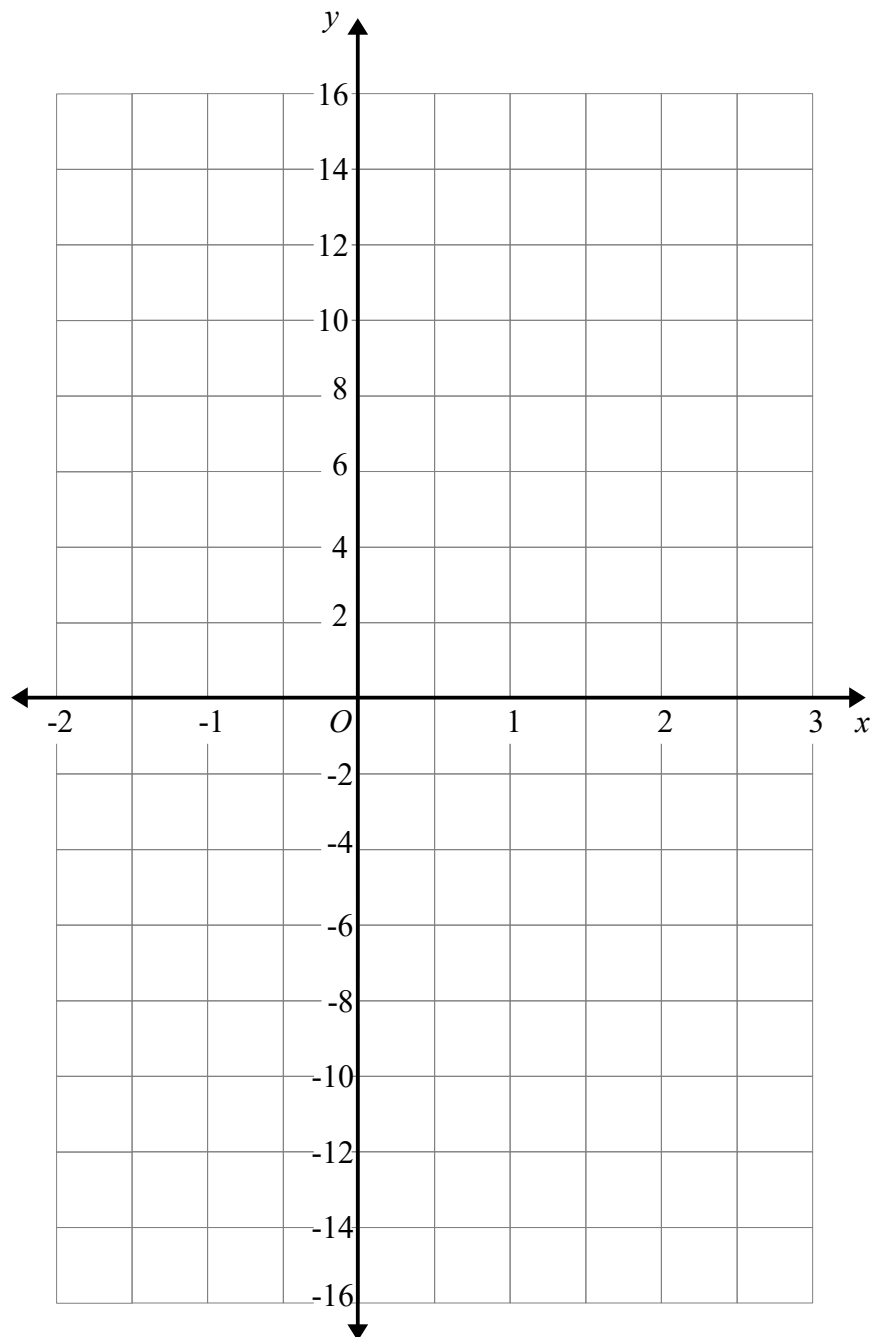– *use this as a guide as to how much time to spend on each Question.*

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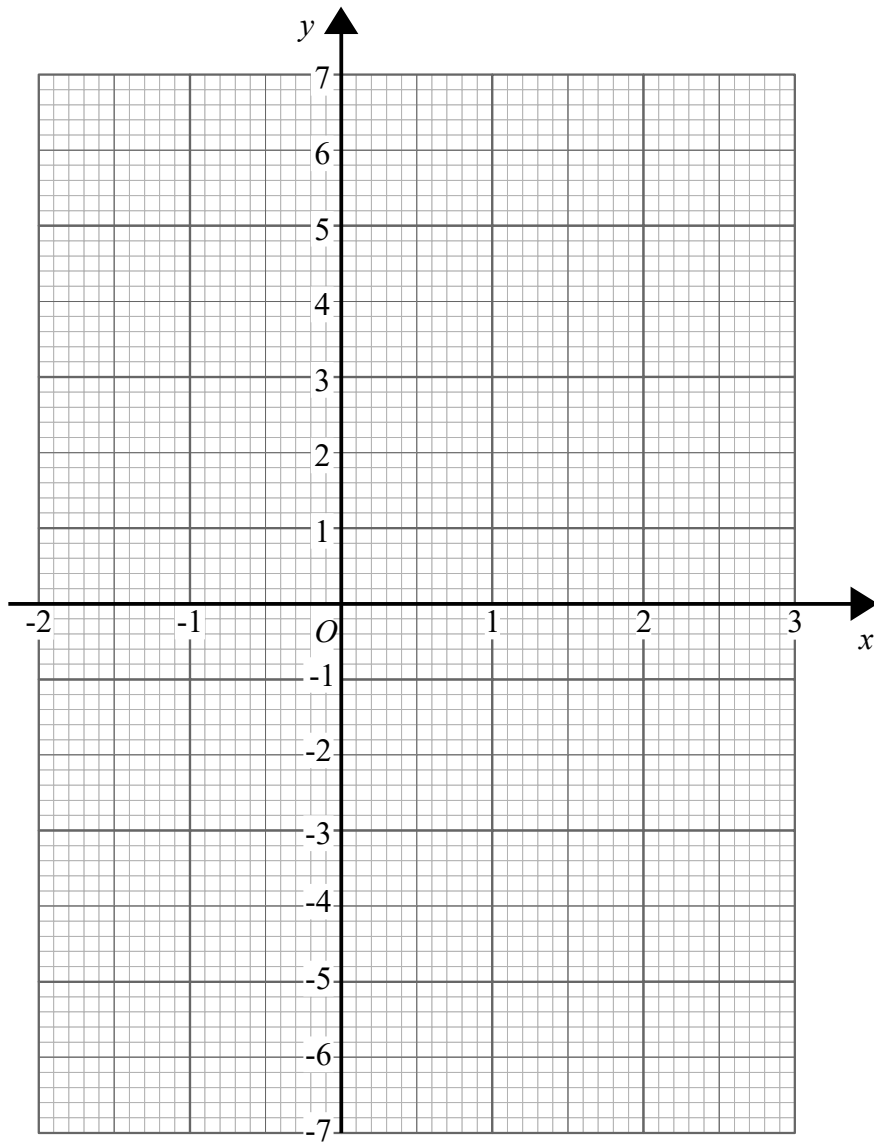
(b) On the grid draw the graph of $y = 1 - 2x$ for values of x from -2 to 3   (2)

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

…..............…...............................…...........…

(1)

(Total for question 2 is 5 marks)

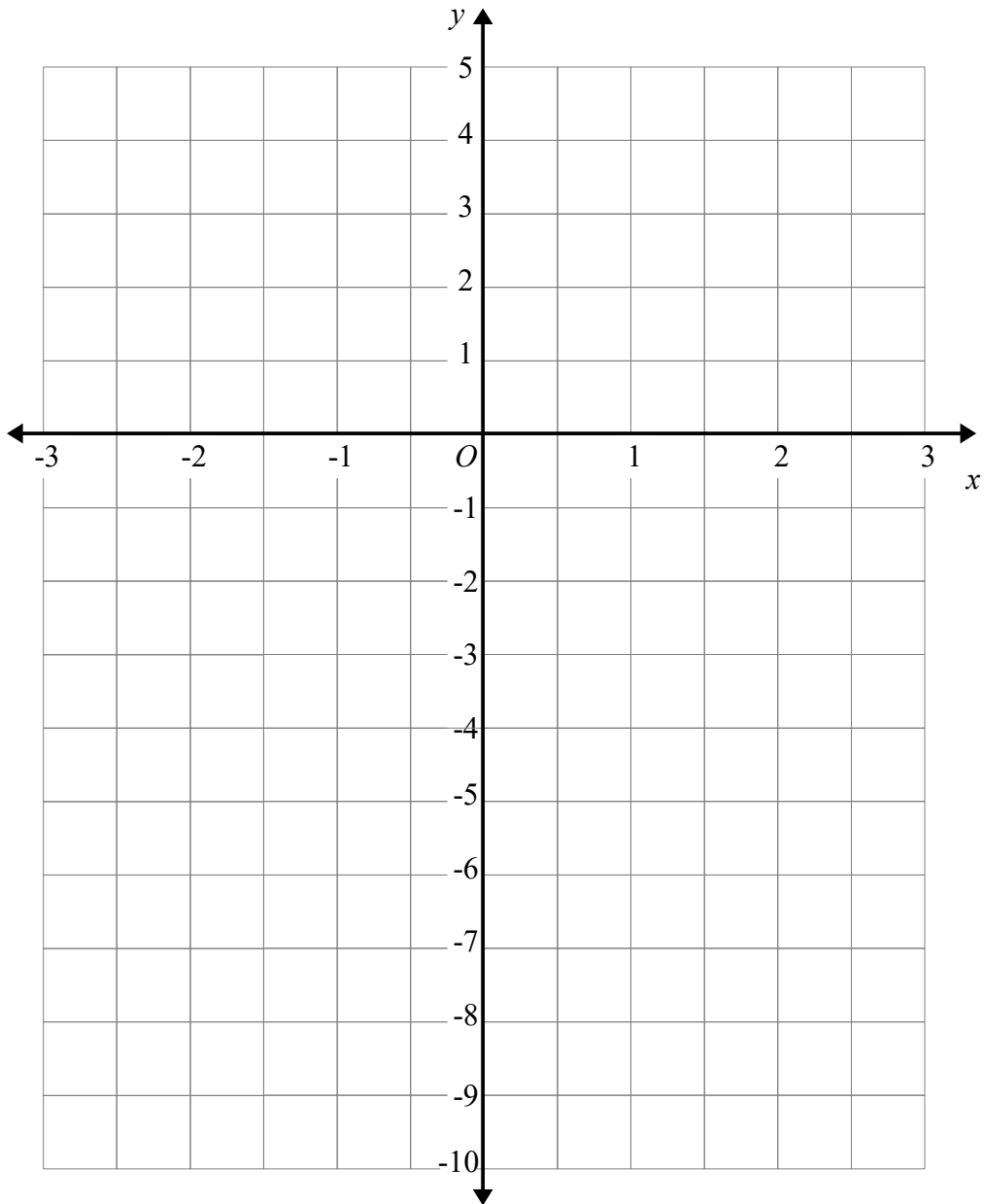**3**   (a) On the grid, draw the graph of $y = \dfrac{1}{2}x + 1$ for x values from -3 to 3
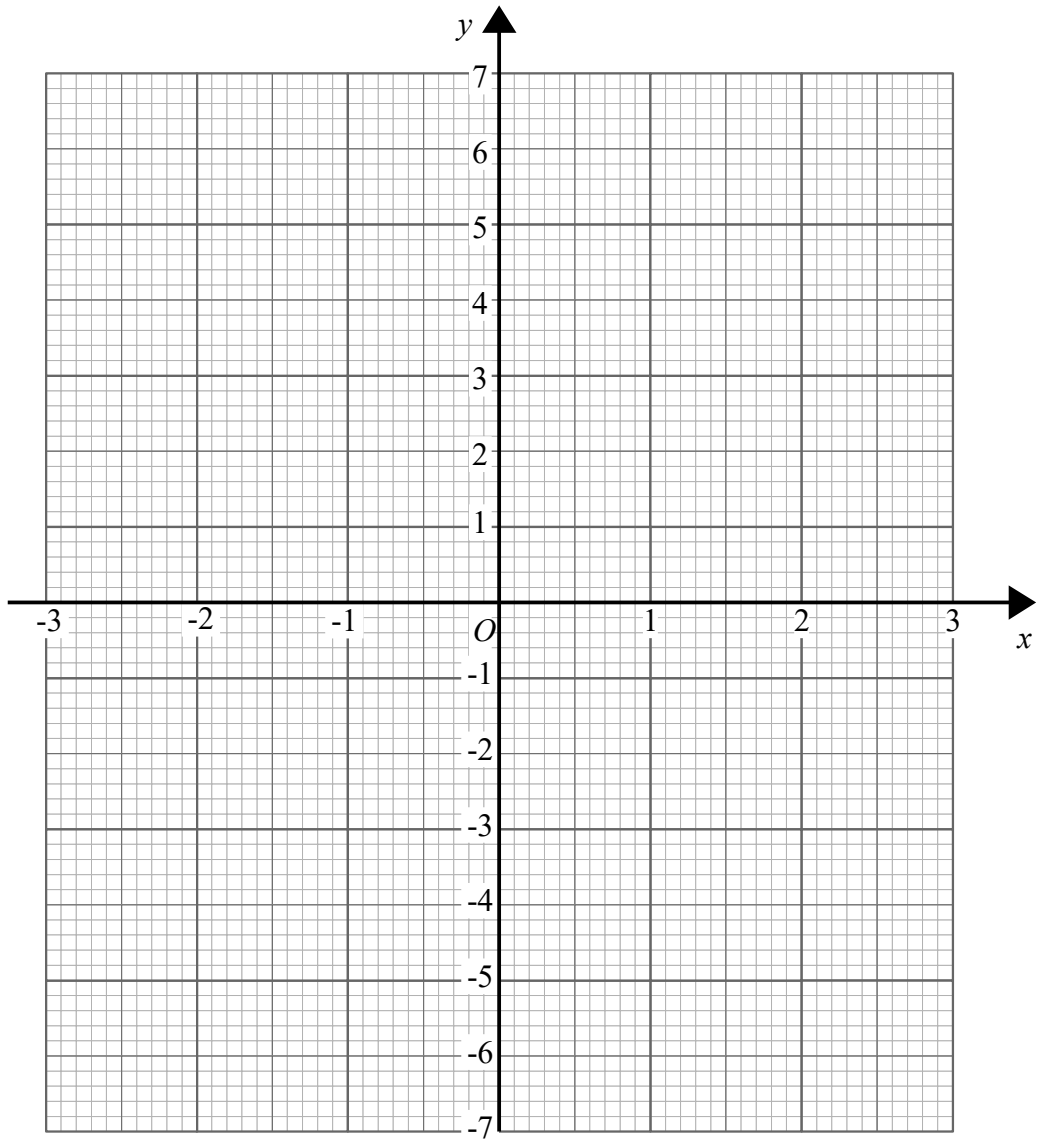
(3)

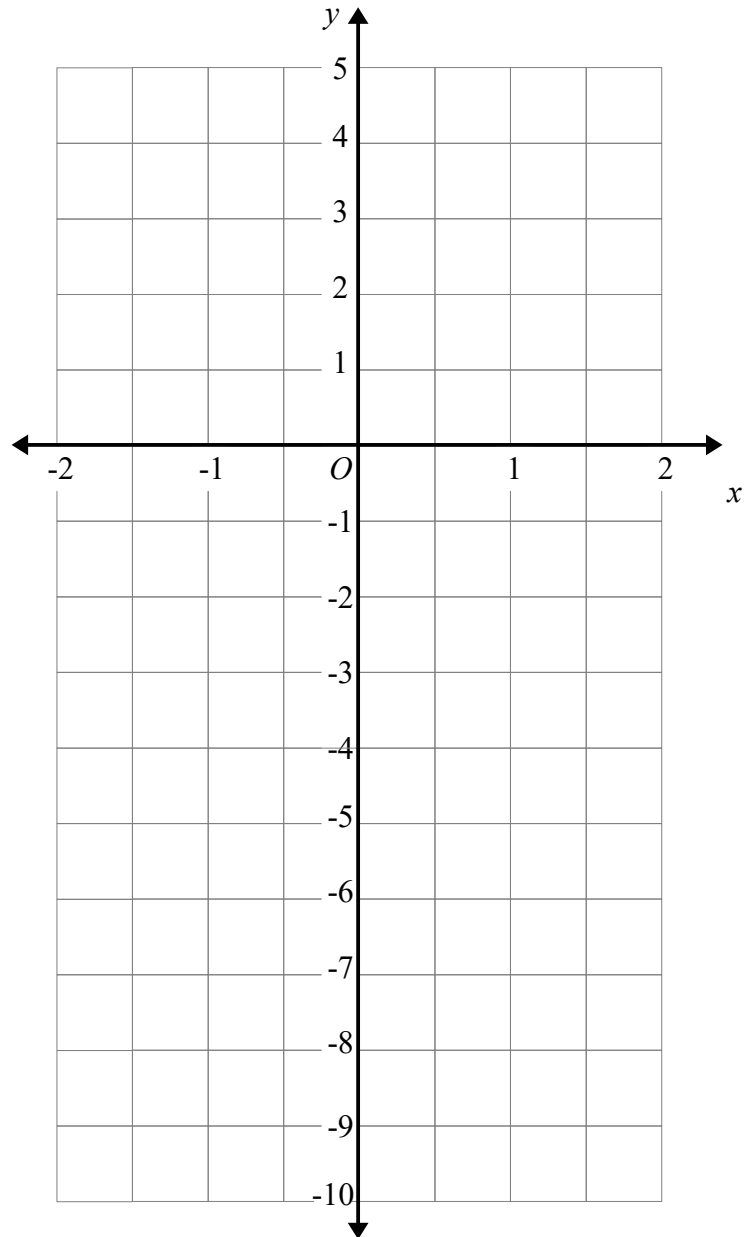(b) Use your graph to find the value of x when $y = 1.8$

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(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

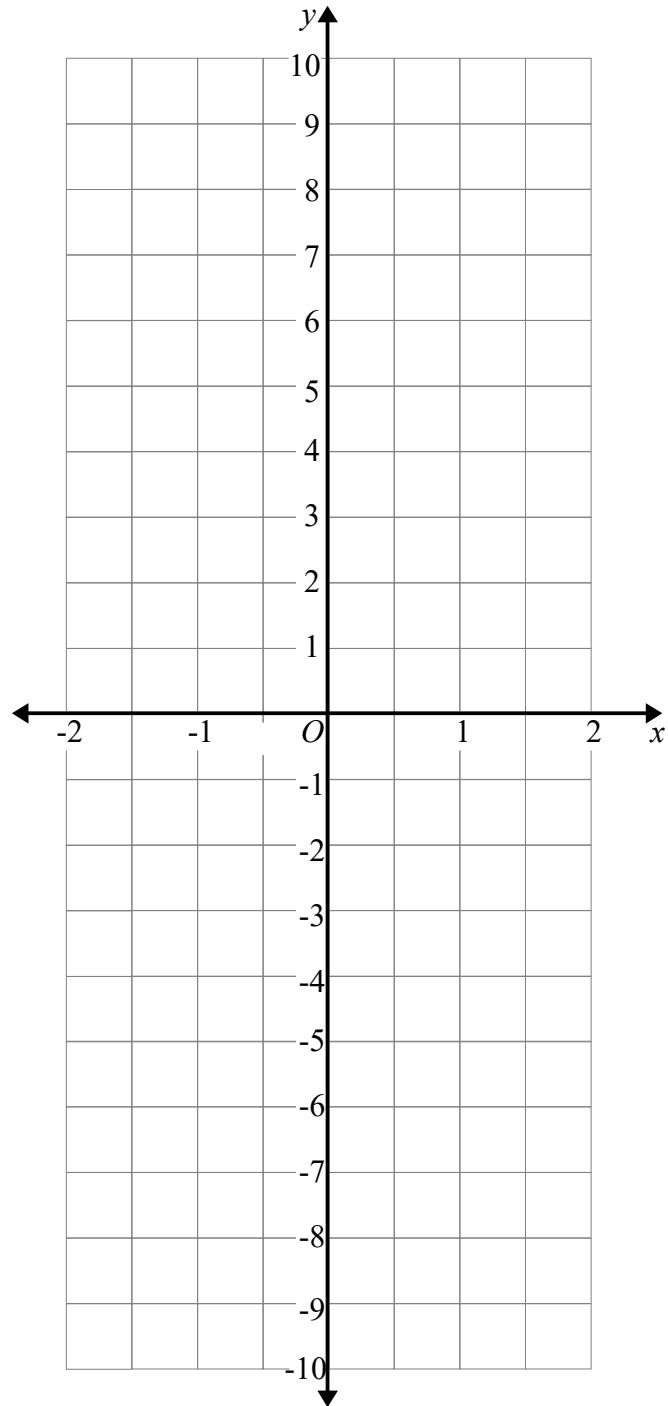**5** On the grid, draw the graph of $y = 3x - 2$ for values of x from -2 to 2

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

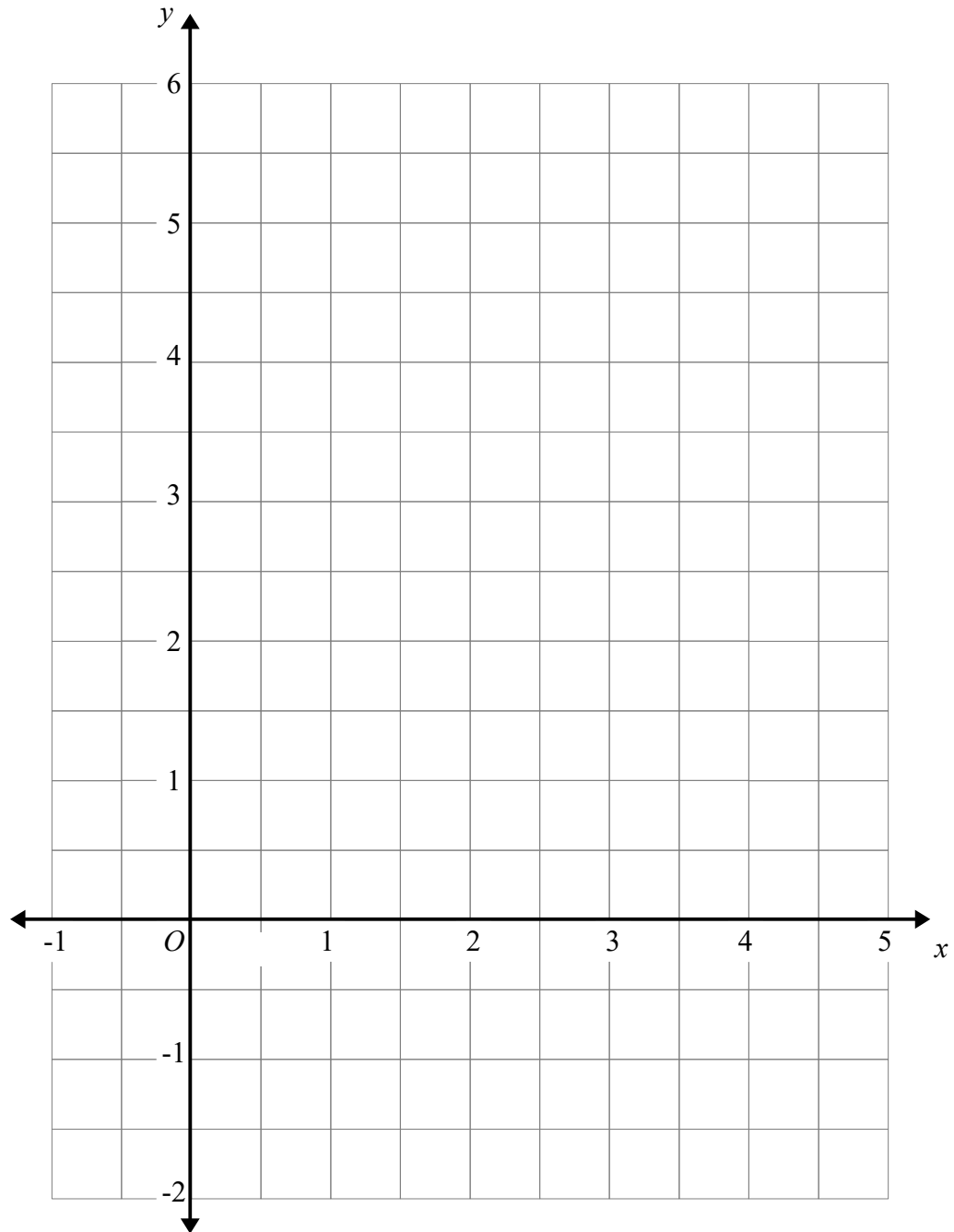**(Total for question 6 is 3 marks)**

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)