Straight Line Graphs

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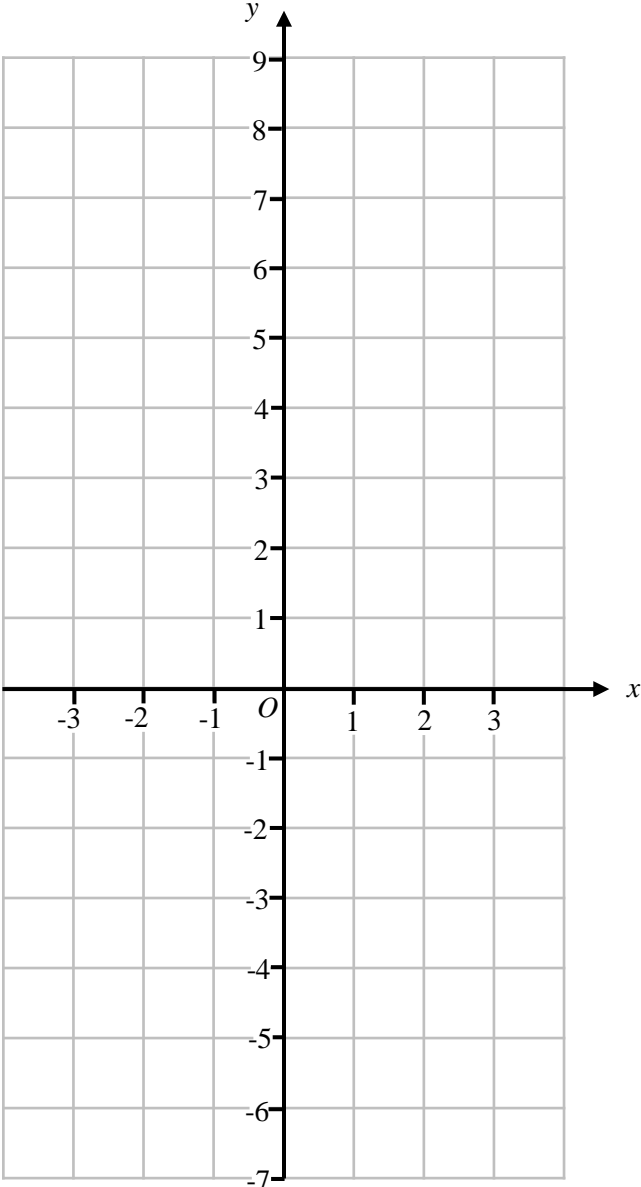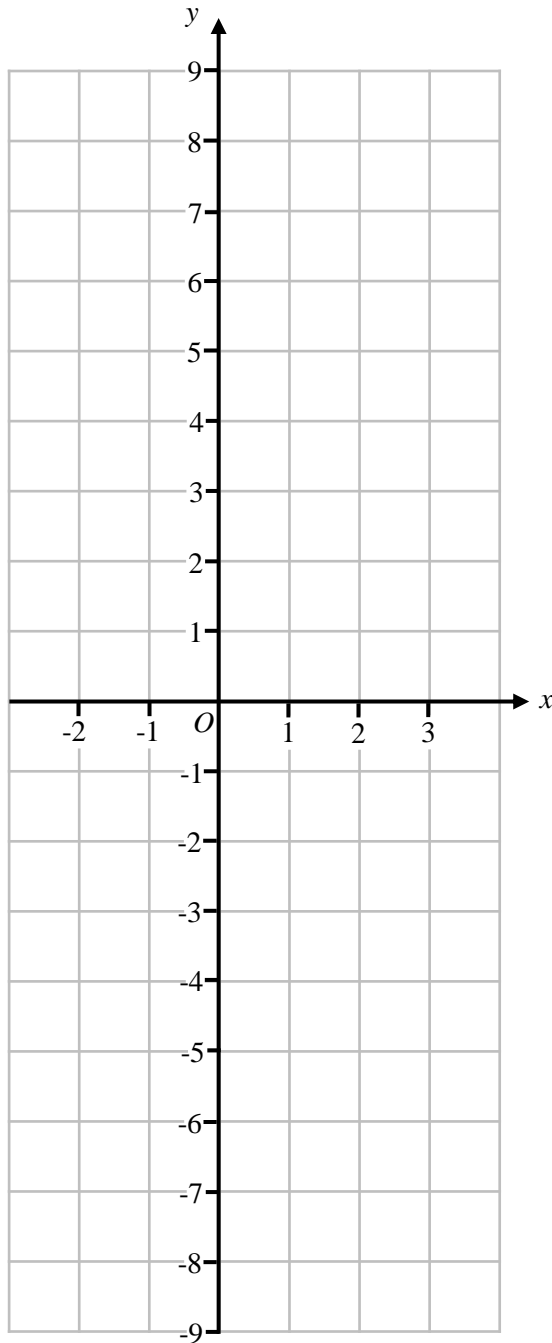

(Total for Question 1 is 3 marks)

1

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

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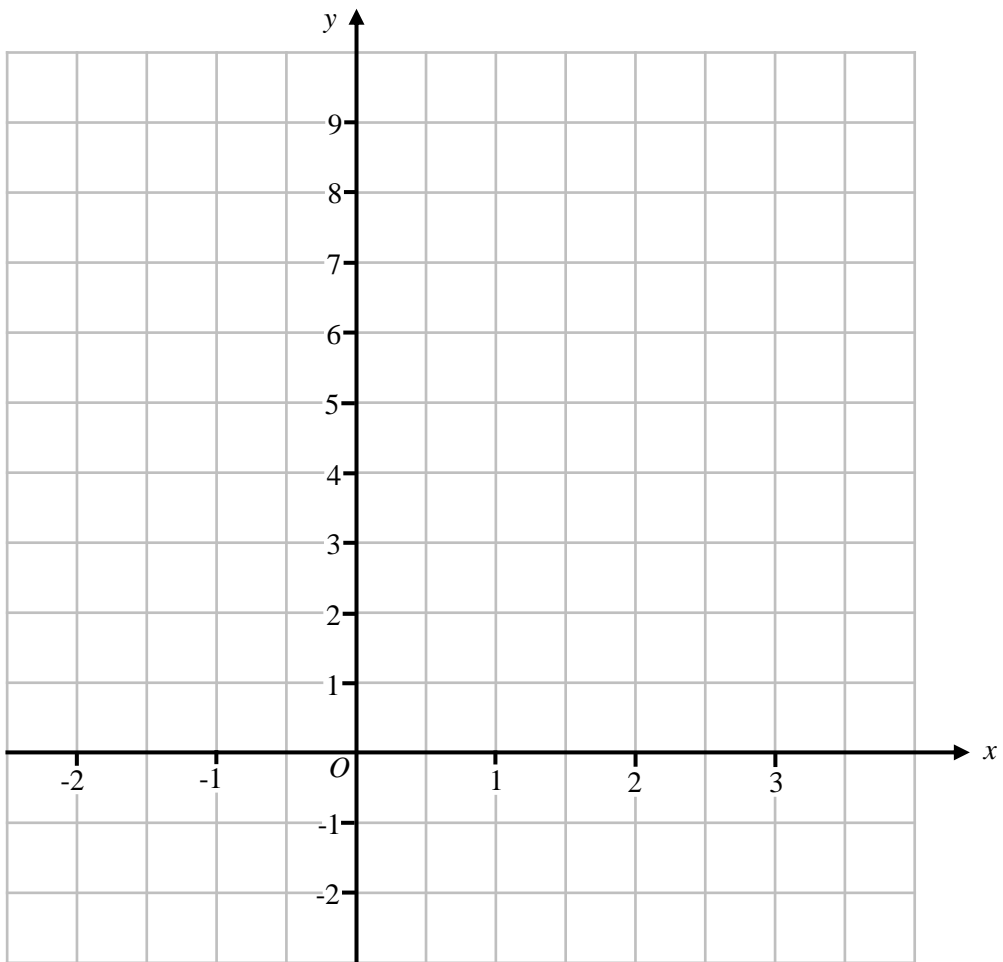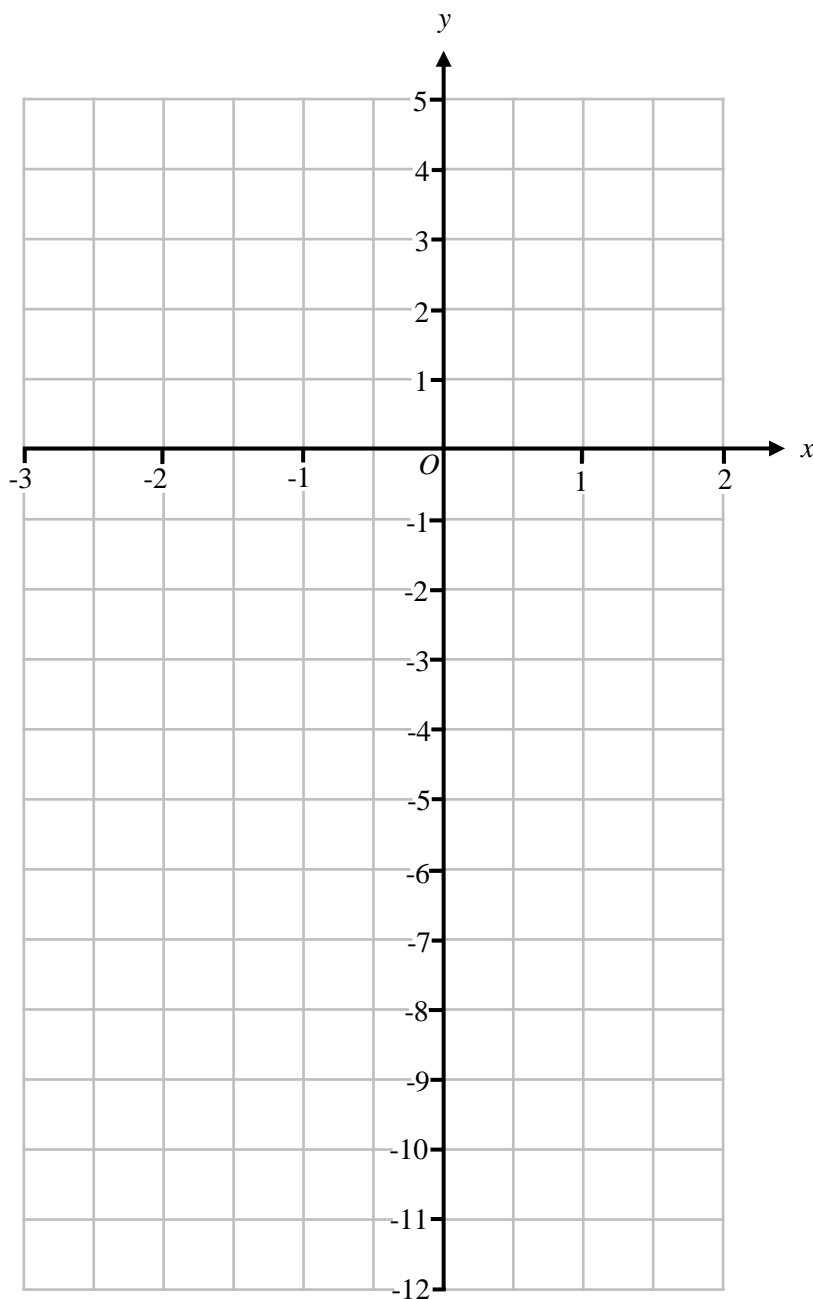
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3 On the grid, draw the graph of $y = 4 - 2x$ for values of x from to -2 to 3

(Total for Question 3 is 3 marks)

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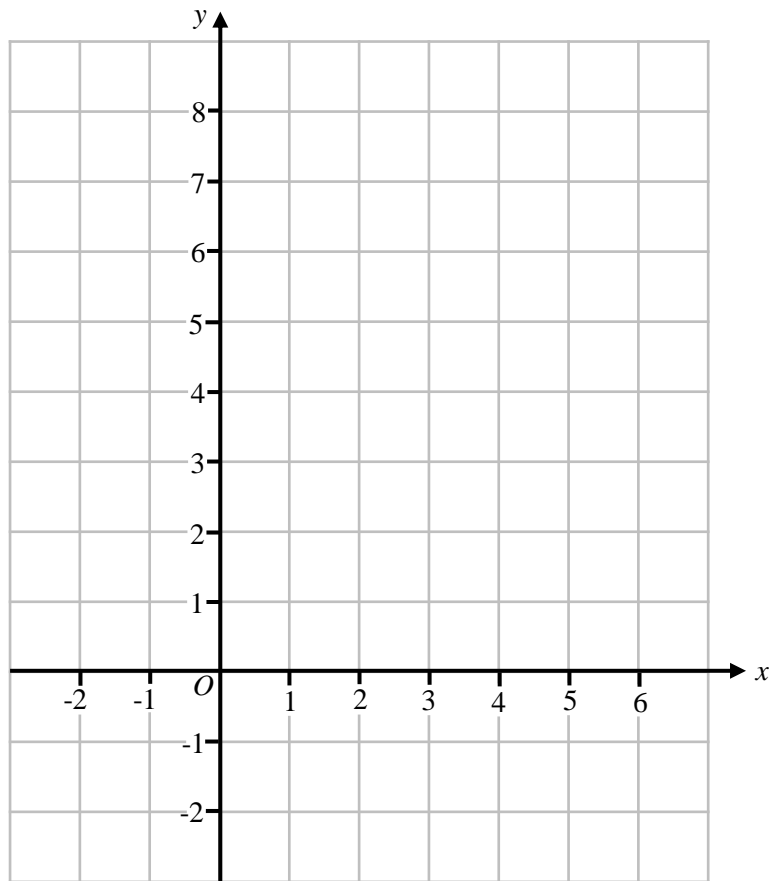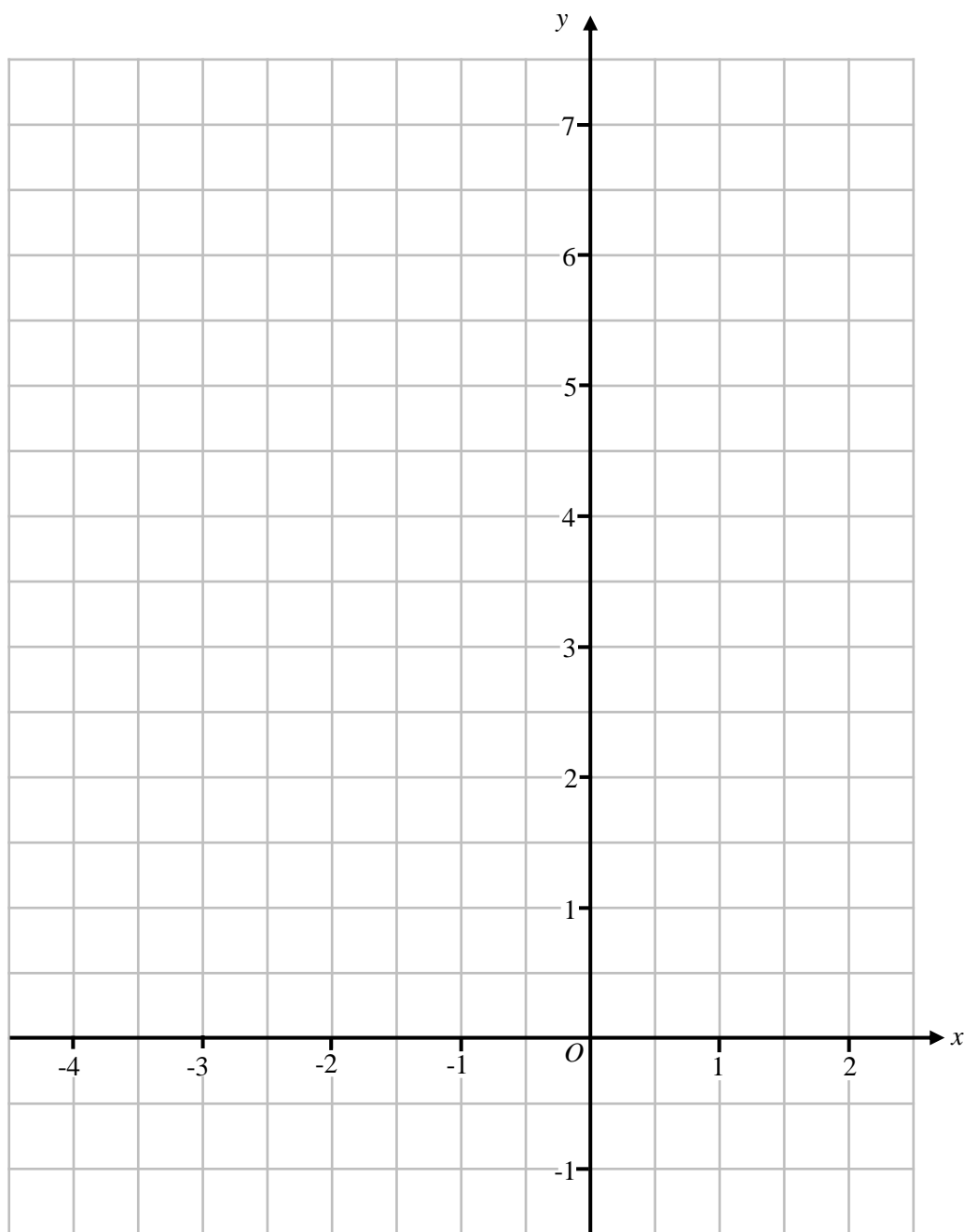

(Total for Question 4 is 3 marks)

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

(Total for Question 5 is 3 marks)

6 On the grid, draw the graph of $y = \frac{1}{2}x + 5$ for values of x from to -4 to 2

(Total for Question 6 is 3 marks)

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7 On the grid, draw the graph of $3x + 4y = 12$ for values of x from to -2 to 6

(Total for Question 7 is 3 marks)

8 On the grid, draw the graph of $4x + 2y = 8$ for values of x from to 0 to 6
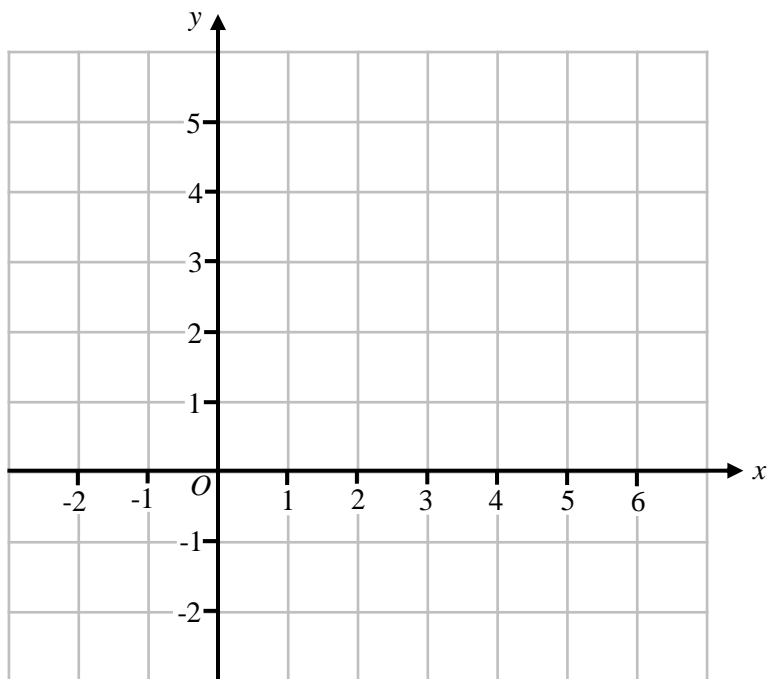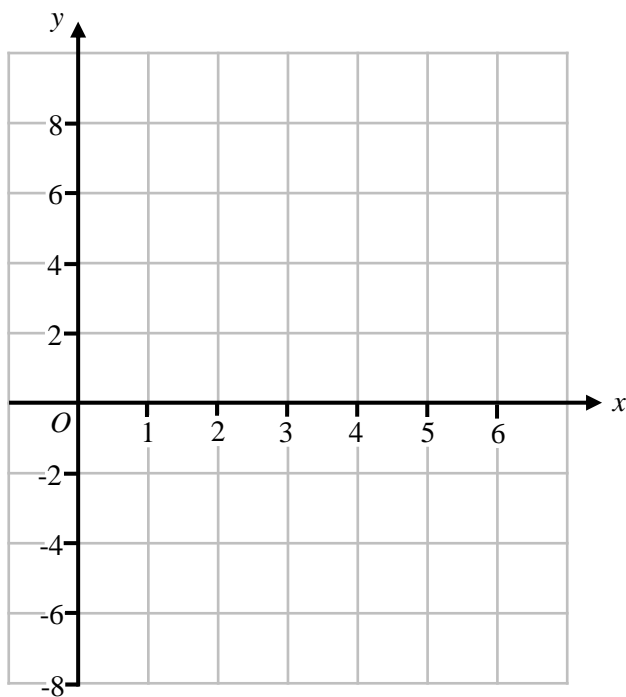

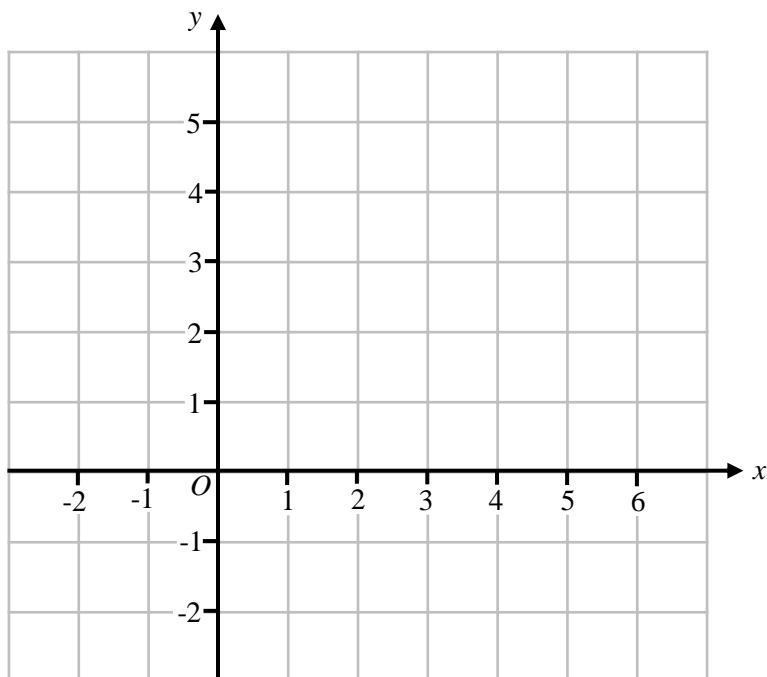**(Total for Question 8 is 3 marks)**
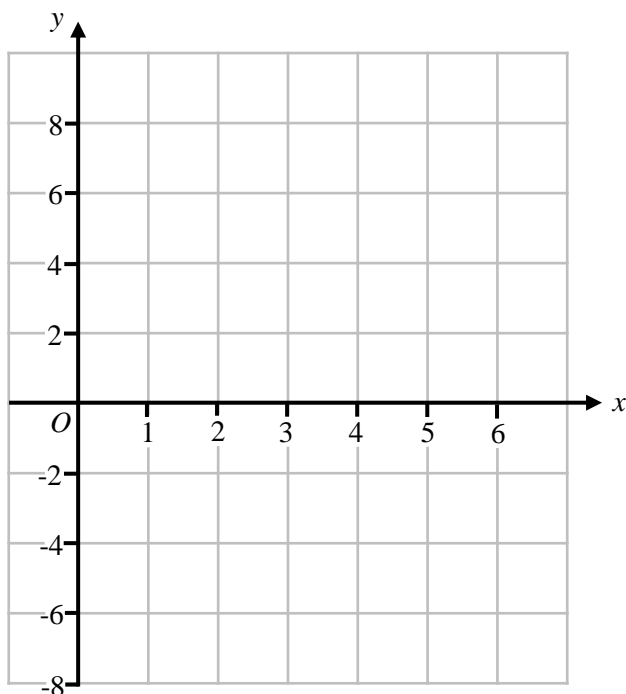
Solutions

9 On the grid, draw the graph of $x + 2y = 5$ for values of x from to -2 to 6

(Total for Question 7 is 3 marks)

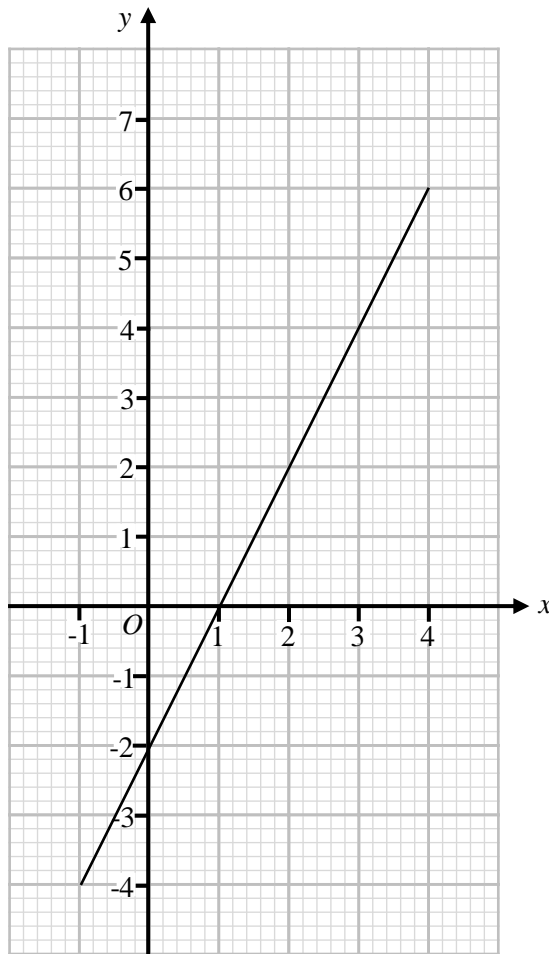**10** On the grid, draw the graph of $2x - y = 4$ for values of x from to 0 to 6

(Total for Question 8 is 3 marks)

11 The graph of $y = 2x - 2$ for x values from -1 to 4 is shown on the grid.

(a) On the grid, draw the graph of $y = 4 - x$ for x values from -1 to 4

(3)

(b) Use your graph to solve $4 - x = 2x - 2$

....
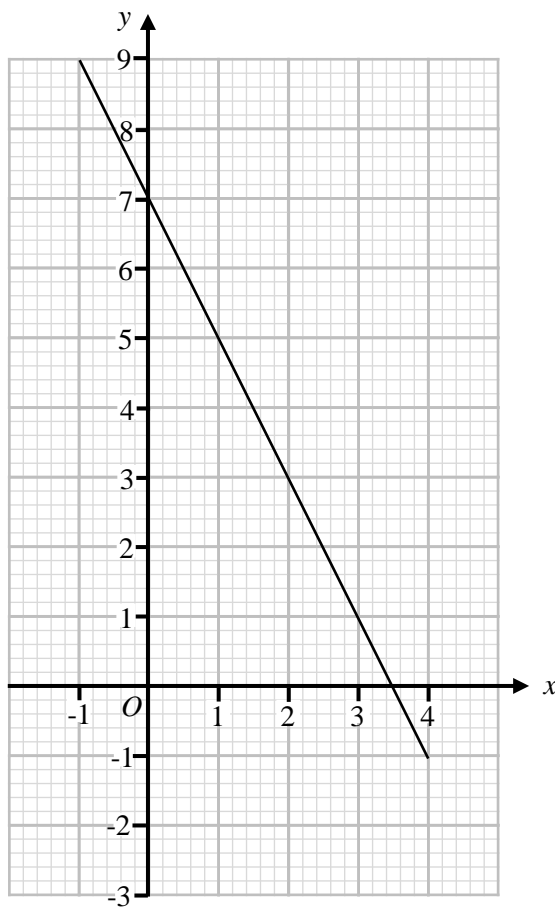
(1)

(Total for Question 11 is 4 marks)

12 The graph of $y = 7 - 2x$ for x values from -1 to 4 is shown on the grid.

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

(3)

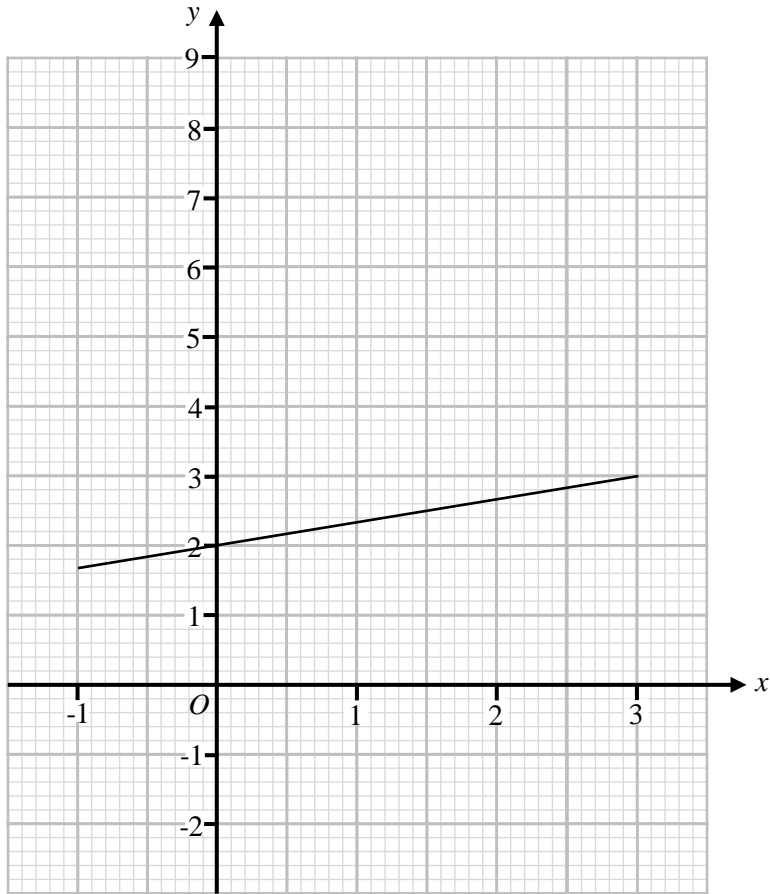(b) Use your graph to solve $x - 2 = 7 - 2x$

....
(1)

(Total for Question 12 is 4 marks)

13 The graph of $y = \frac{1}{3}x + 2$ for x values from -1 to 3 is shown on the grid.

(a) On the grid, draw the graph of $y = 5 - 2x$ for x values from -1 to 3

(3)

(b) Use your graph to solve $\frac{1}{3}x + 2 = 5 - 2x$

....
(1)

(Total for Question 13 is 4 marks)

Solutions