



SCAN ME

# Straight Line Graphs

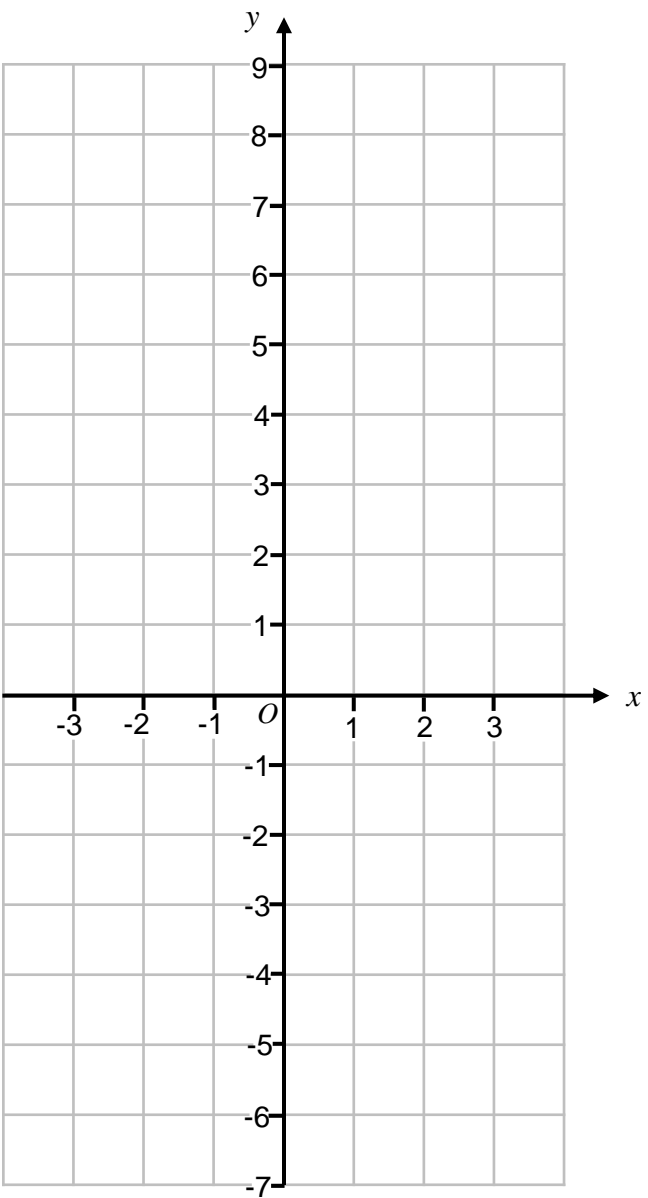


SCAN ME

← REVISE THIS TOPIC

→ CHECK YOUR ANSWERS

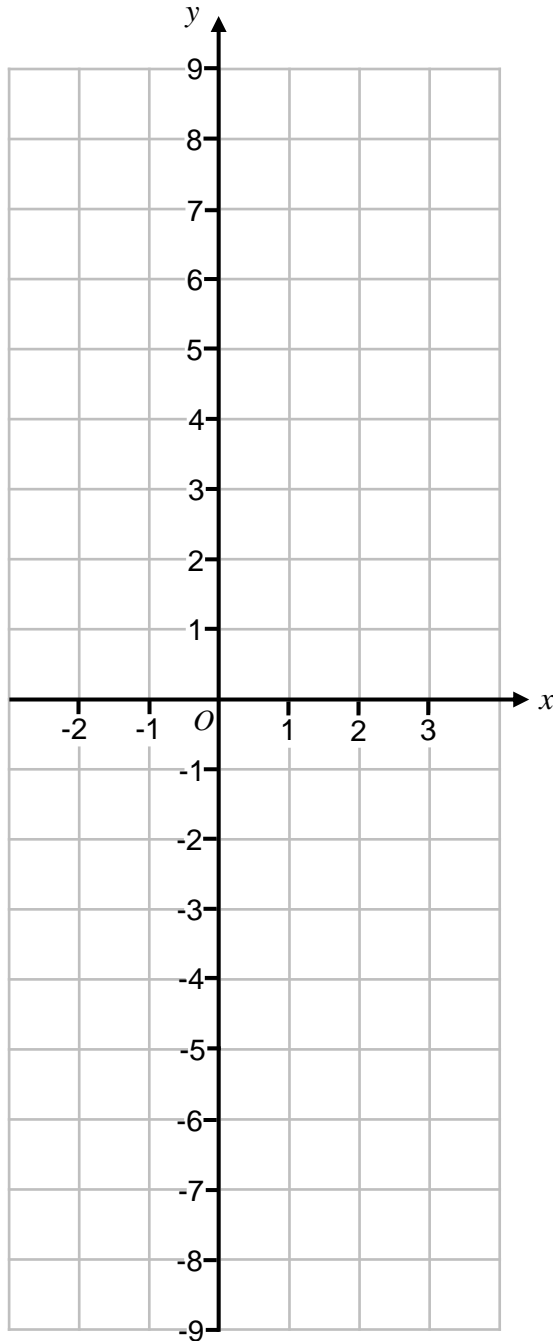
1 On the grid, draw the graph of  $y = 2x + 1$  for values of  $x$  from to -3 to 3 [3 marks]





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

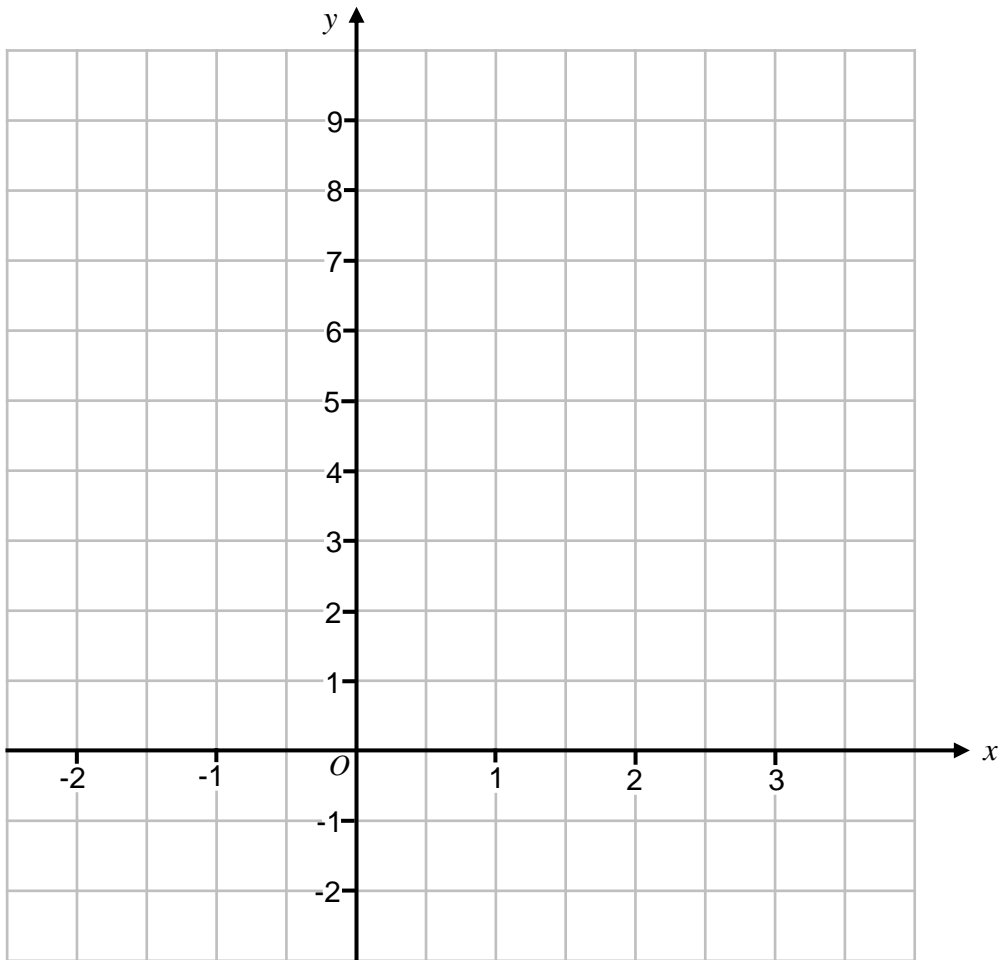
[3 marks]





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

[3 marks]



$\frac{1}{6}$



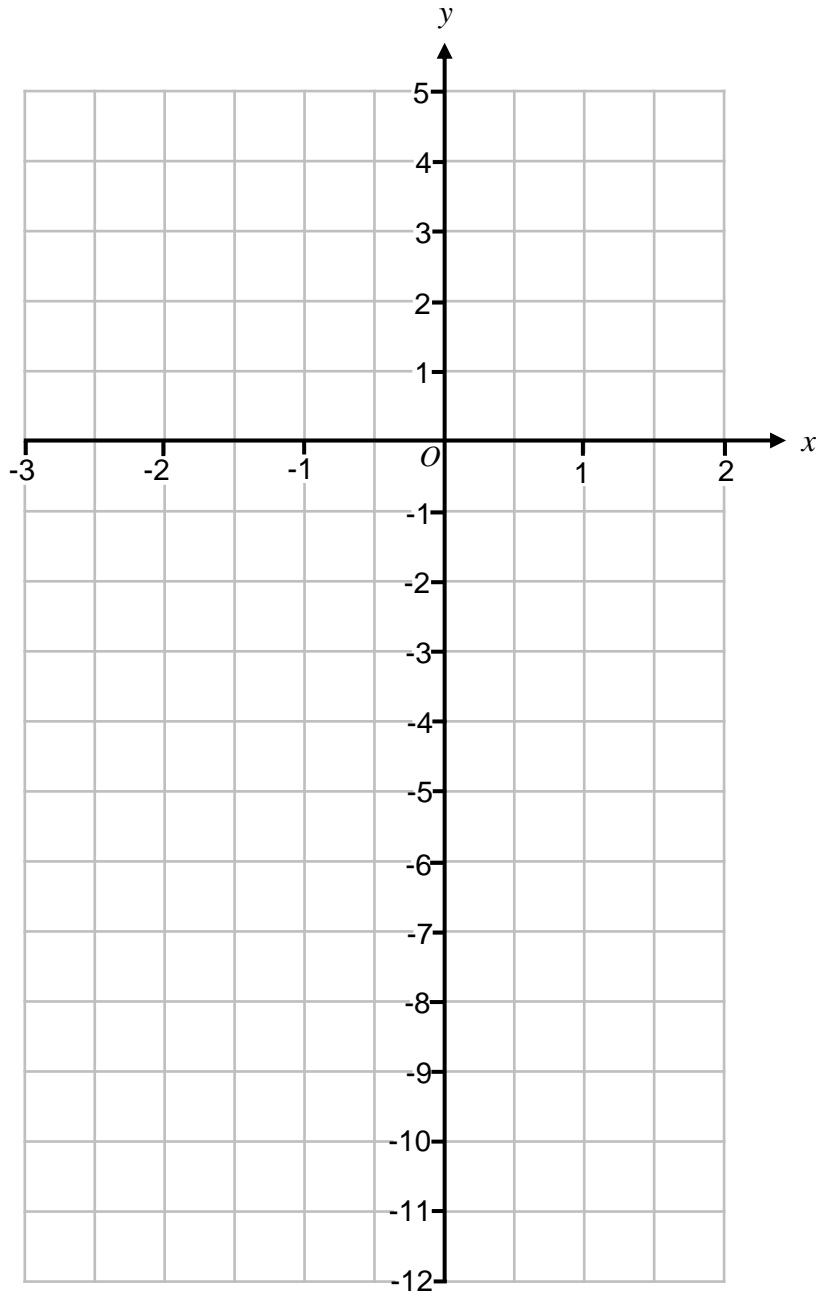
Turn over ►





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

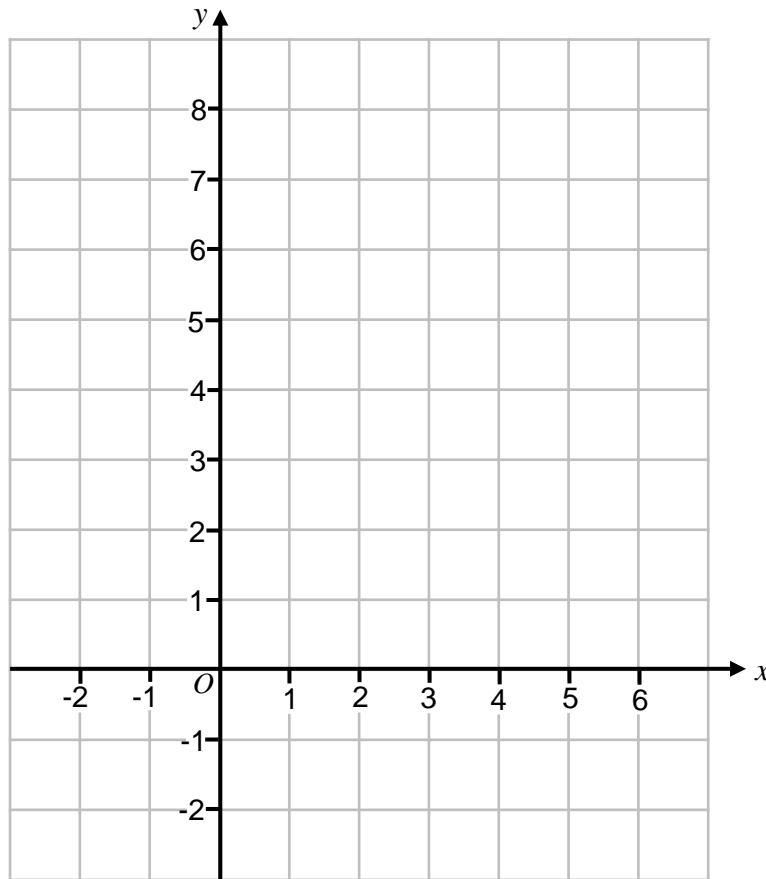
[3 marks]





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

[3 marks]



$\frac{1}{6}$

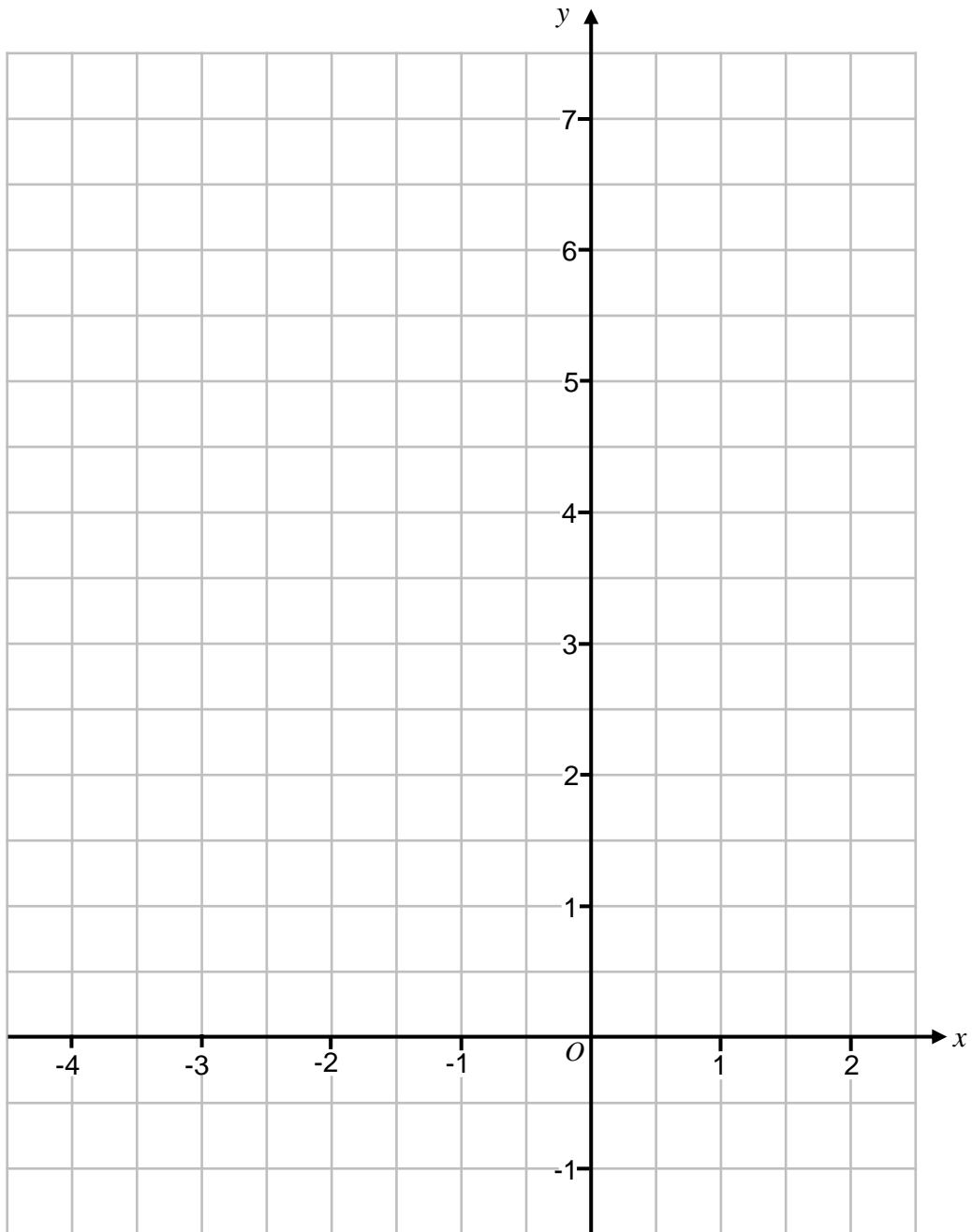
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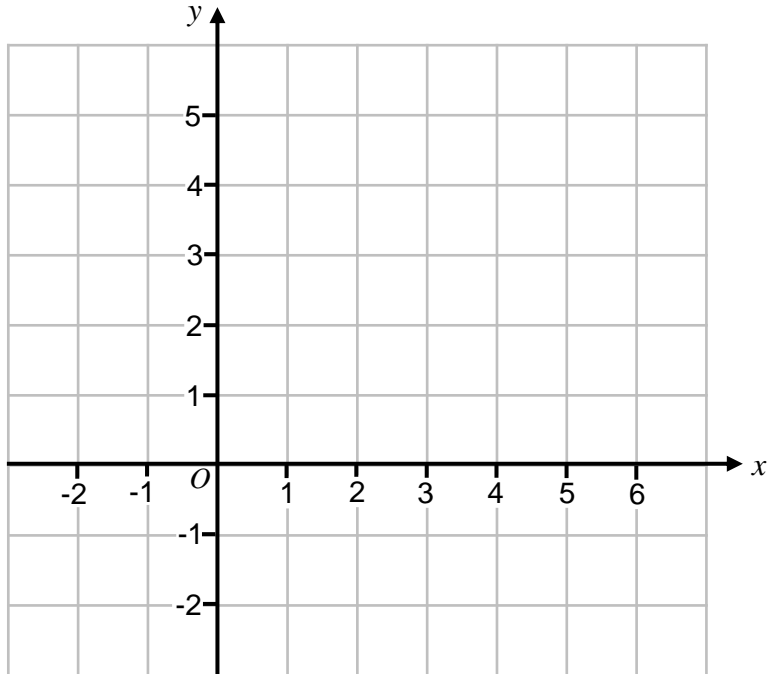
6 On the grid, draw the graph of  $y = \frac{1}{2}x + 5$  for values of  $x$  from to -4 to 2

[3 marks]



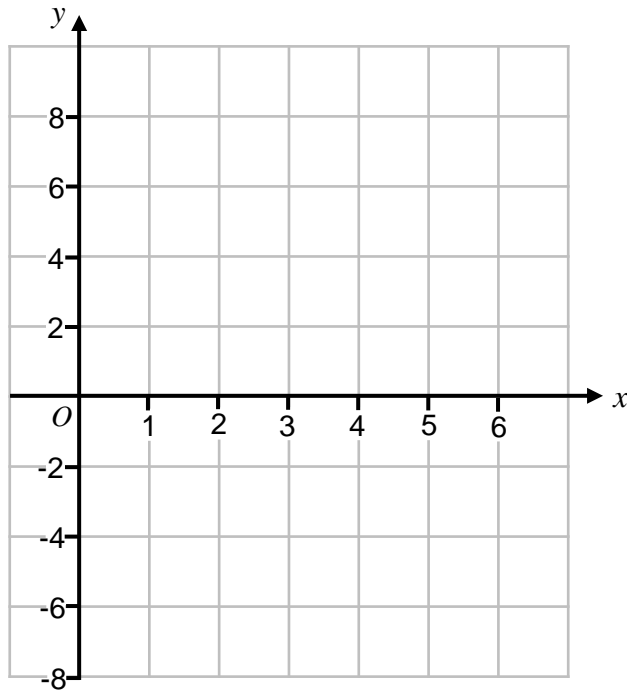
7 On the grid, draw the graph of  $3x + 4y = 12$  for values of  $x$  from to -2 to 6

[3 marks]



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

[3 marks]

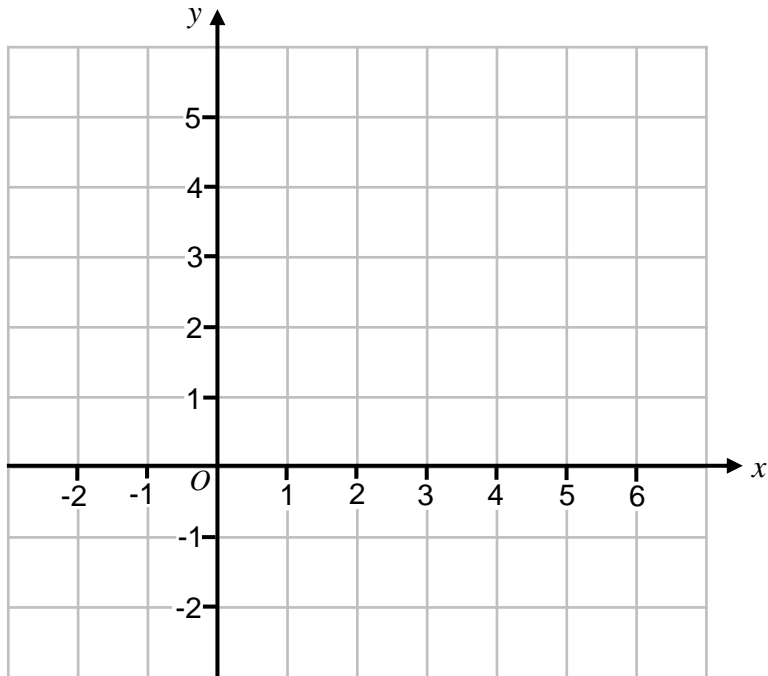


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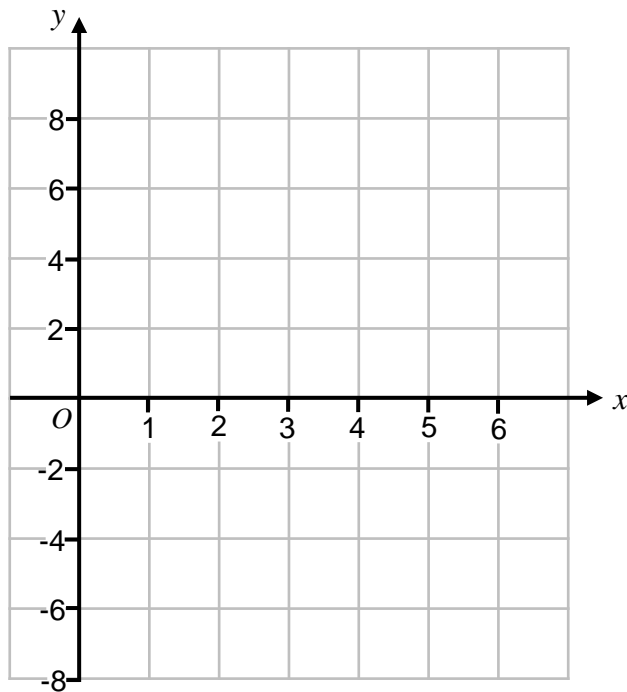
9 On the grid, draw the graph of  $x + 2y = 5$  for values of  $x$  from -2 to 6

[3 marks]



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

[3 marks]

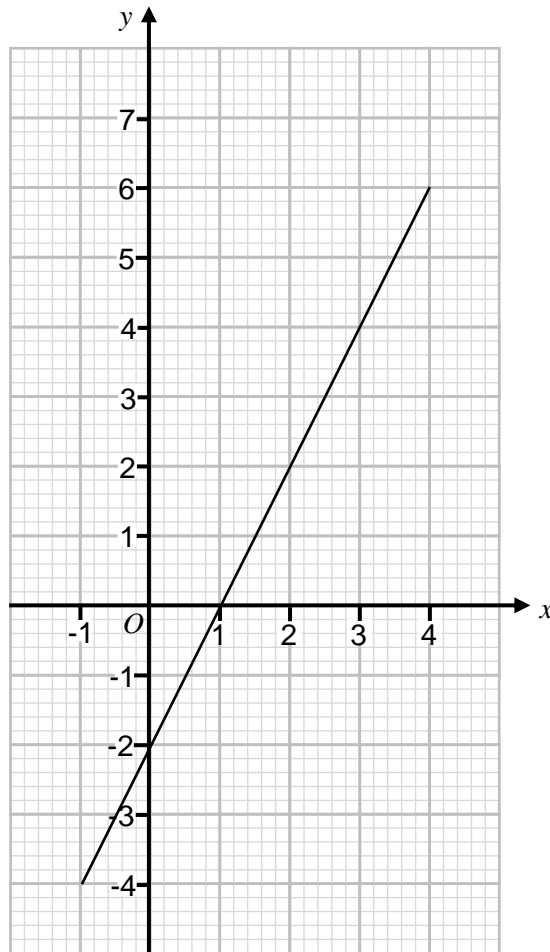




11 The graph of  $y = 2x - 2$  for  $x$  values from -1 to 4 is shown on the grid.

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

[3 marks]



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

[1 mark]

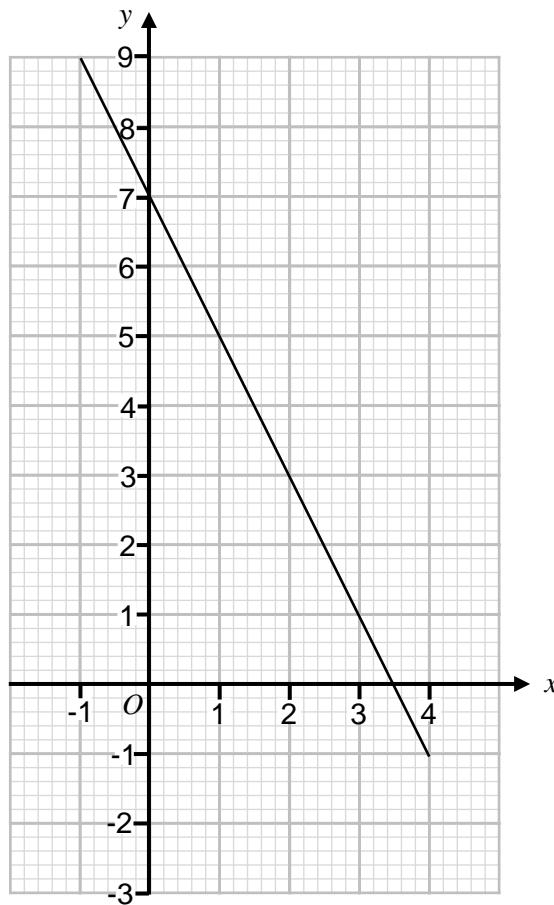
$x =$  \_\_\_\_\_



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

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

[3 marks]



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

[1 mark]

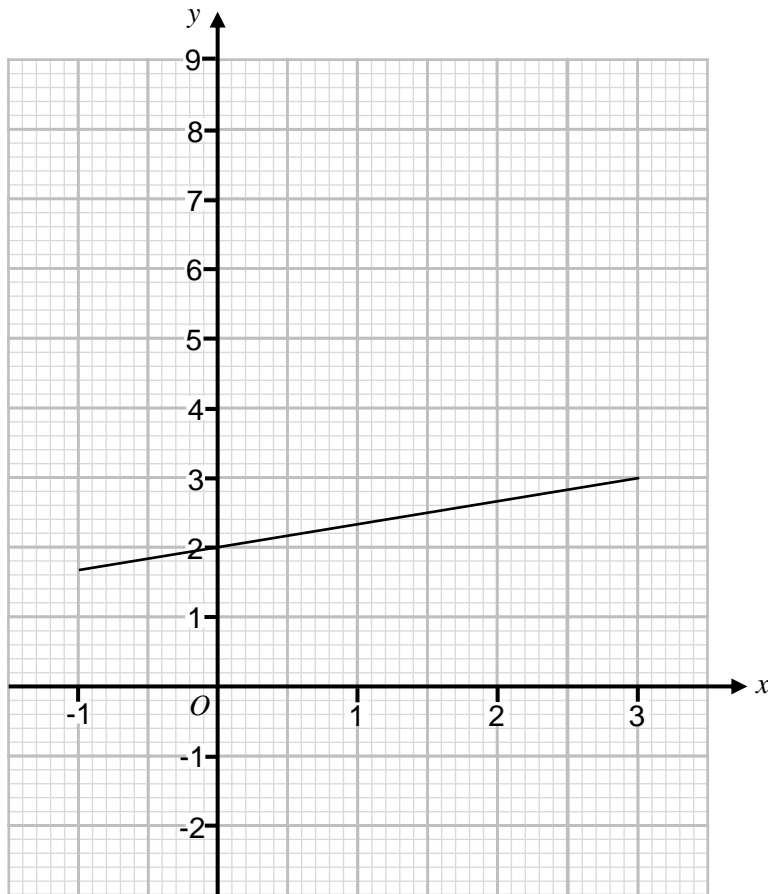
$x =$  \_\_\_\_\_



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

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

[3 marks]



13 (b) Use your graph to find an approximate solution to  $\frac{1}{3}x + 2 = 5 - 2x$  [1 mark]

Give your answer as a decimal.

$x =$  \_\_\_\_\_

