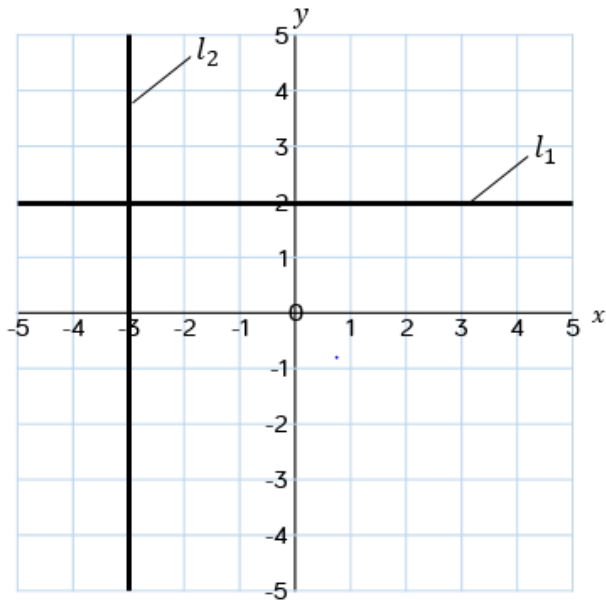


Name _____

- 1 Two straight lines l_1 and l_2 are shown on the grid.



Write down the coordinates of the point where l_1 and l_2 meet.

Write down the equations of the lines.

l_1 _____ l_2 _____

1 mark

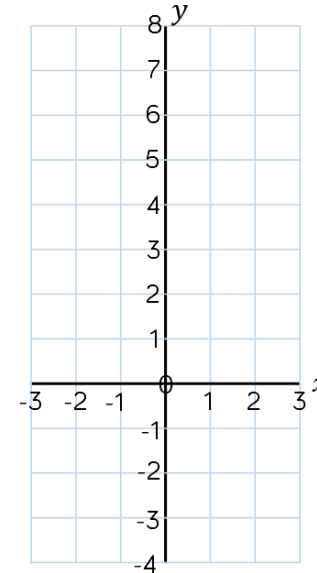
2 marks

- 2 Complete the table of values for $y = 3x + 2$

x	-2	-1	0	1	2
y					

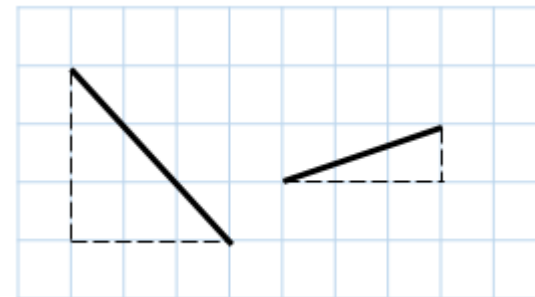
2 marks

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



2 marks

- 3 Write down the gradient of each line segment.



2 marks

- 4 Which of these graphs will go through the point (0, 4)? Circle your answers.

$$y = 4x$$

$$y = x + 4$$

$$y = 4 - x$$

$$y = x - 4$$

$$y = \frac{x}{4}$$

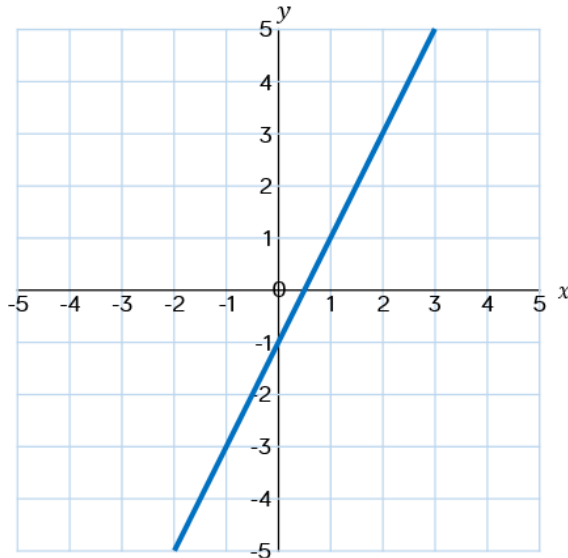
2 marks

- 5 Write down the gradient and the coordinates of the y-intercept of the line $y = 7 - 2x$

Gradient _____

y-intercept _____

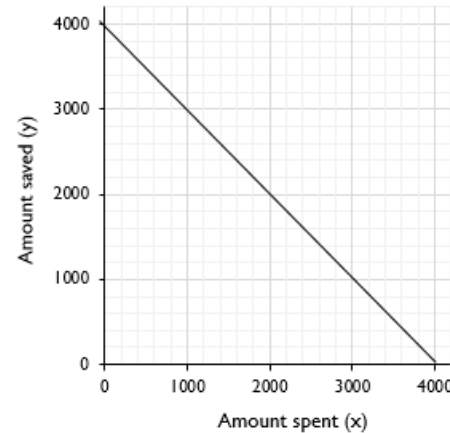
- 6 Work out the equation of the line.



2 marks

2 marks

- 7 Sami earns £4000 a month. She spends £ x and saves £ y as shown on the graph.



How much does she save when she spends £1200? _____

Write an equation of the line. _____

2 marks

- 8 The table shows how long it takes to empty a water tank using different numbers of pumps.

H

Number of pumps	1	2	3	4	5	10
Time (hours)	60	30				6

Complete the table and describe the relationship between number of pumps used and time taken.

3 marks

Total marks

A