



Name: _____

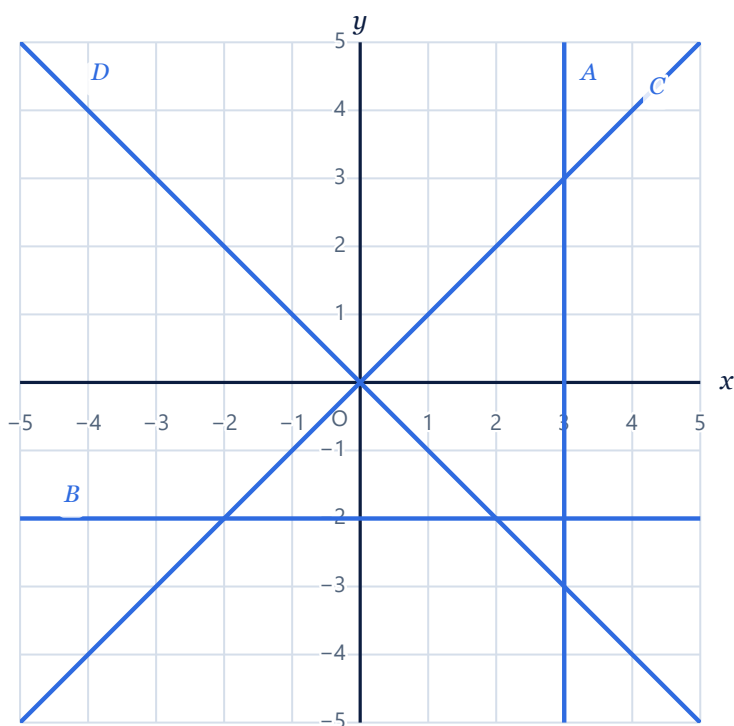
Date: _____

Score: _____ / 39

1 Four straight lines A, B, C and D are drawn on the grid.

Write down the equation of

- line A
- line B
- line C
- line D



(4 marks)

Answer _____

2

A straight line has equation $y = 3x - 2$

a. Write down the gradient of the line.

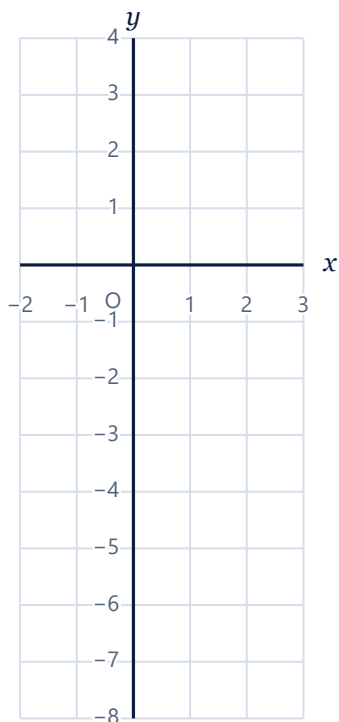
b. Write down the coordinates of the point where the line crosses the y -axis.

(2 marks)

Answer _____

3

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



(3 marks)

Answer _____

4

A straight line passes through the points A (2, 5) and B (6, 17).

Work out the gradient of the line.

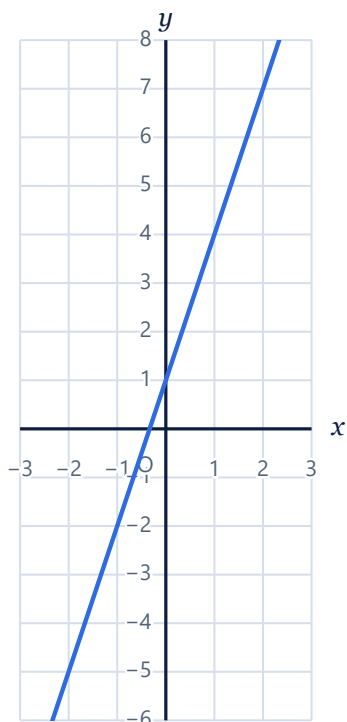
(2 marks)

Answer _____

5

A straight line is drawn on the grid.

- Write down the y intercept of the line.
- Work out the gradient of the line.
- Write down the equation of the line in the form $y = mx + c$



(3 marks)

Answer _____

6

The straight line $y = 4x + c$ passes through the point (3, 10).

- Find the value of c .
- Write down the coordinates of the point where the line crosses the y -axis.

(3 marks)

Answer _____

- 7 A straight line has gradient -2 and passes through the point (3, 1).

Find the equation of the line.

(3 marks)

Answer _____

- 8 A straight line passes through the points (1, 7) and (3, 13).

Find the equation of the line.

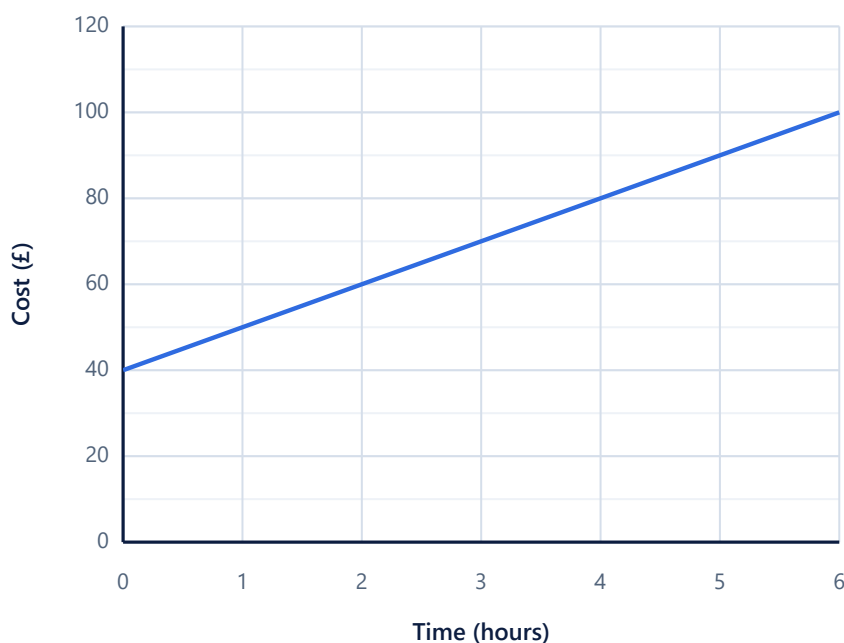
Give your answer in the form $y = mx + c$

(3 marks)

Answer _____

- 9 The graph shows the cost of hiring a bouncy castle for a party.

- Write down the y intercept of the graph. What does it tell you about the cost?
- Work out the gradient of the line. What does it tell you about the cost?
- Amara hires the bouncy castle for 4 hours. Work out the cost.



(4 marks)

Answer _____

10

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

x	-4	-3	-2	-1	0	1	2
y	5		-3		-3		5

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

(4 marks)

Answer _____

11

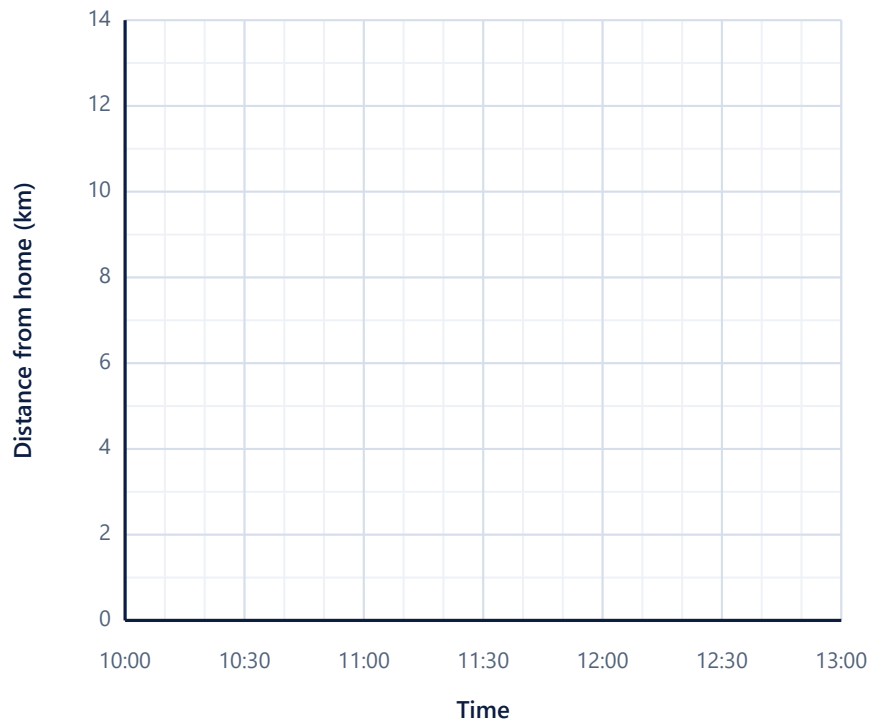
Kofi leaves home at 10:00 and cycles to the lake at a steady speed.

He arrives at the lake at 11:00. The lake is 12 km from his home.

He stays at the lake for 30 minutes.

He then cycles straight home at a steady speed and arrives home at 13:00.

- On the grid, draw a distance-time graph for Kofi's journey.
- Work out Kofi's speed on the way home, in kilometres per hour.



(4 marks)

Answer _____

12

A straight line passes through the points A $(-1, 7)$ and B $(3, -1)$.

- Work out the gradient of the line.
- Find the equation of the line. Give your answer in the form $y = mx + c$
- Does the point $(6, -7)$ lie on the line? You must show how you get your answer.

(4 marks)

Answer _____

