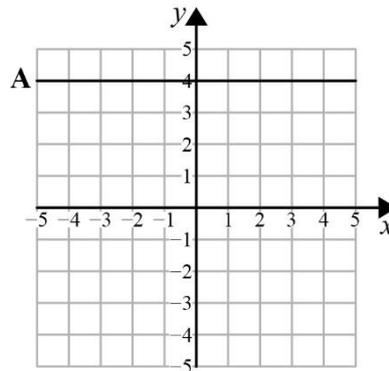NAME

Time:

Calculator Questions

1

a Write down the equation of the line marked **A**.

(1 mark)

b On the grid, draw the line with equation $x = -2$

(1 mark)

3
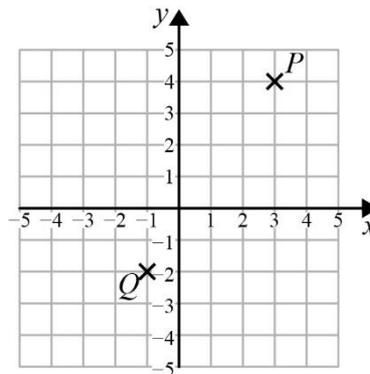
a Write down the coordinates of the point *P*.

(1 mark)

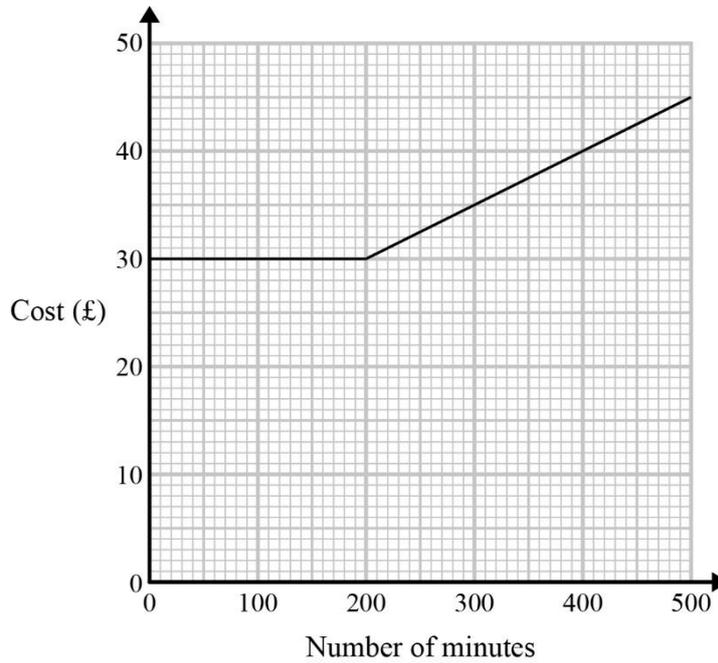*M* is the midpoint of the line *PQ*.

b On the grid, mark with a cross (x) the point *M*.

(1 mark)

5th

5 The graph shows the cost of using a mobile phone for one month for numbers of minutes of calls made.
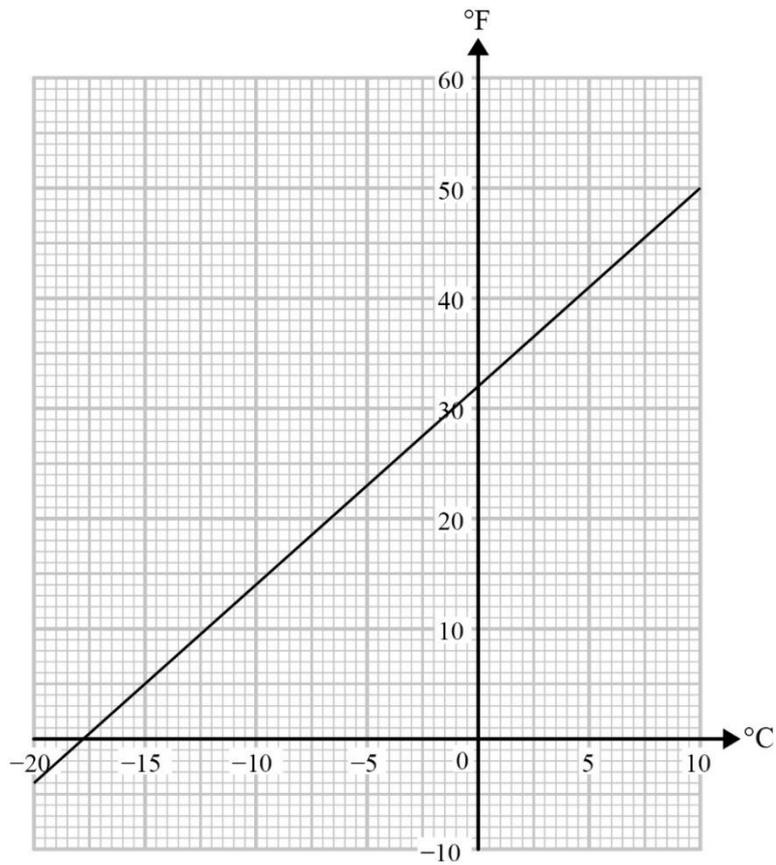

The cost includes a fixed contract charge of £30 and a charge for each minute made over the contract allowance.

Work out the charge for each minute of calls made over the contract allowance.

(2 marks)

7 You can use this graph to change between temperatures in degrees Celsius (°C) and and degrees Fahrenheit (°F).

a Use the graph to change the temperature of 4°C into a temperature in Fahrenheit.

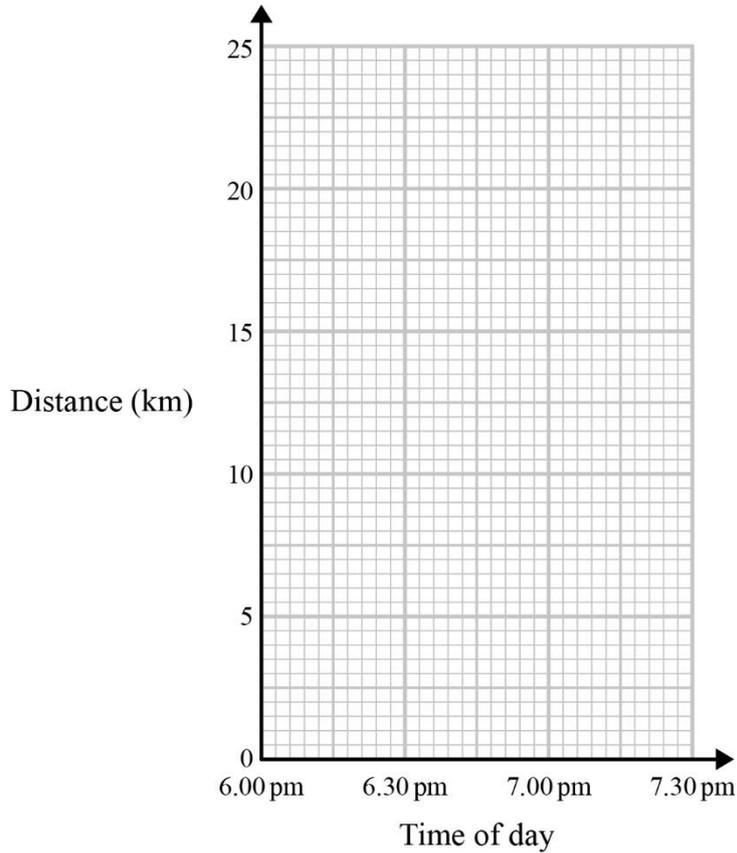**(1 mark)**

The temperature recorded at midnight in town A is −15°C.

The temperature in town B is 0°F.

b Compare the temperature in town A with the temperature in town B.

(3 marks)

9 At 6 pm, Jamie went out on his bicycle.

From 6 pm to 6.48 pm he cycled at an average speed of 15 km/h.

From 6.48 pm to 7.15 pm he cycled a further 9 km.

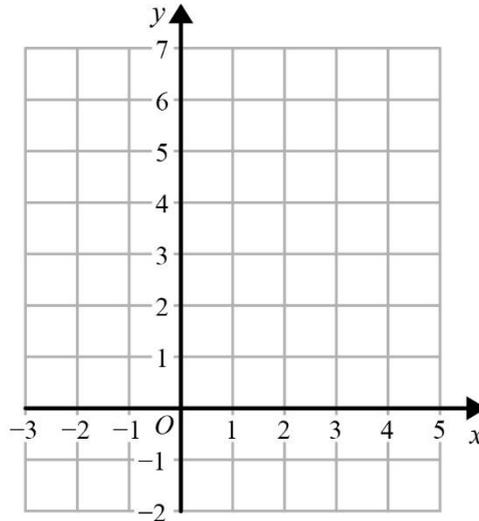**a** Draw a travel graph to show Jamie's journey.

(3 marks)

From 7.15 pm to 7.30 pm Jamie cycled at an average speed of 12 km/h.

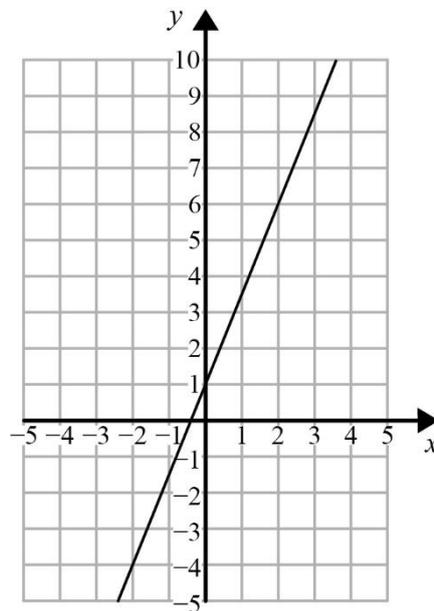**b** Work out the distance Jamie cycled from 7.15 pm to 7.30 pm.

(2 marks)

4

11 On the grid, draw the graph of $y = \dfrac{1}{2}x + 1$ for values of x from -2 to 4.
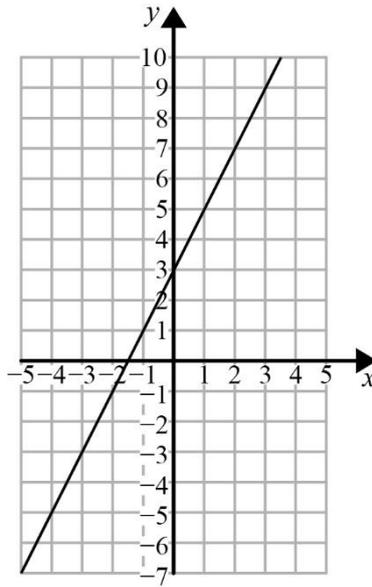

(3 marks)

13 Find the gradient of the straight line drawn on this grid.

(2 marks)

5

8th

15 Line A is drawn on the grid below.

Write down the equation of line A.

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

(3 marks)

Overall mark	/28