1 A straight line

has gradient 6

and

passes through the point (3, 19)

Work out the equation of the line.

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

[3 marks]

$19 = 6(3) + c$ (1)

$c = 19 - 18$

$= 1$ (1)

$y = 6x + 1$

Answer $y = 6x + 1$ (1)

2 The equation of a straight line is $2y = 6x + 8$

Circle the gradient of the line.

$y = \frac{6}{2}x + \frac{8}{2}$

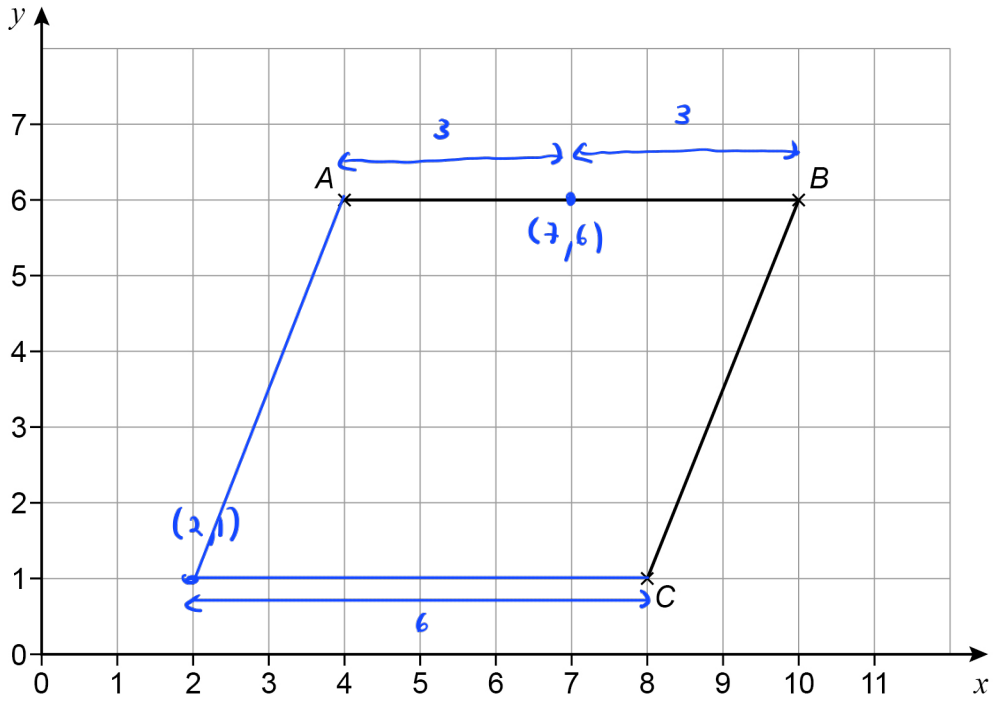
$= 3x + 4$

[1 mark]

6 8 3 4

1

3 Lines *AB* and *BC* are shown.



3 (a) Write down the equation of the line passing through *A* and *B*.

[1 mark]

Answer $y = 6$ (1)

4 The equation of a line is $y = 3x - 6$

Circle the coordinates of the y-intercept.

[1 mark]

(0, –6) (–6, 0) (0, 3) (3, 0)