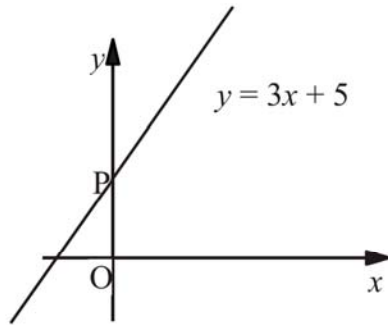


1.



(a) The line $y = 3x + 5$ crosses the y axis at P.
What is the value of y at P?

(1)

(b) Write down the equation of another line which is parallel to $y = 3x + 5$

(1)

2. A line passes through the point (0, 4). The gradient of this line is 2.
Write down the equation of this line.

(2)

3. A straight line has equation $y = 5 - 3x$

(a) Write down the gradient of the line.

(1)

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

(1)

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

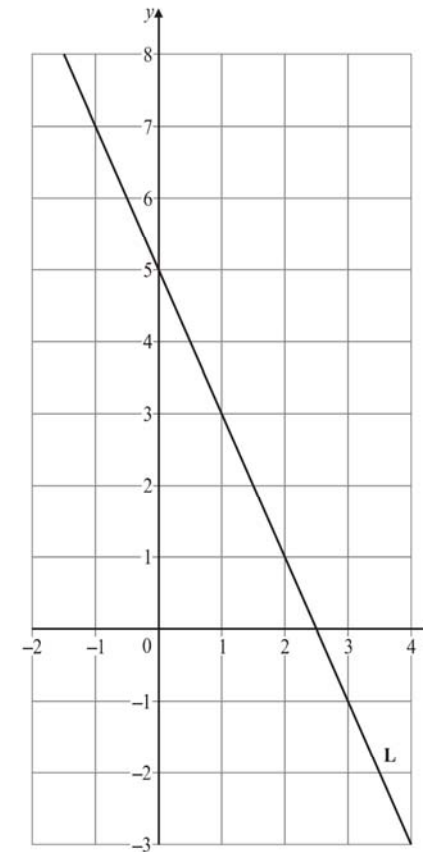
(a) Write down the gradient of the line.

(1)

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

(1)

5.



Find the equation of line L

(3)

6 a) A straight line has equation $2y - 10x = 8$ Work out the gradient of this line

(2)

b) Write down the equation of a line parallel to this line.

(1)

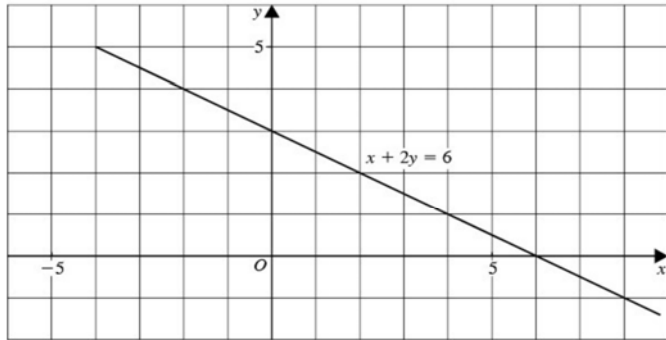
7 a) A straight line has equation $4y - 5x = 2$ Work out the gradient of this line.

(2)

b) Write down the equation of a line parallel to this line.

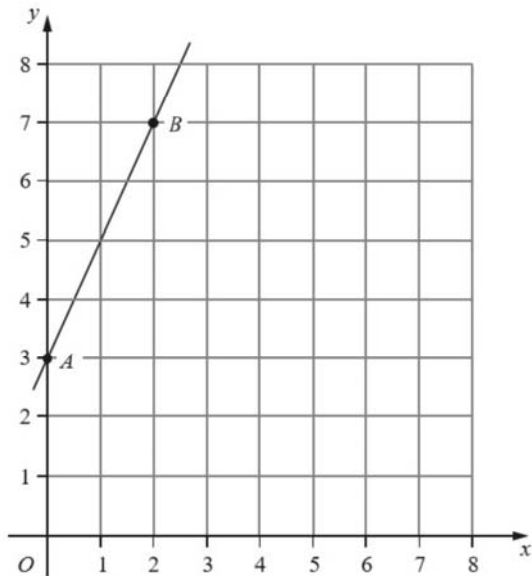
(1)

8 The line with equation $x + 2y = 6$ has been drawn on the grid.



- (a) Rearrange the equation $x + 2y = 6$ to make y the subject. (2)
- (b) Write down the gradient of the line with equation $x + 2y = 6$. (2)
- (c) Write down the equation of the line which is parallel to the line with equation $x + 2y = 6$ and passes through the point with coordinates $(0, 7)$. (1)

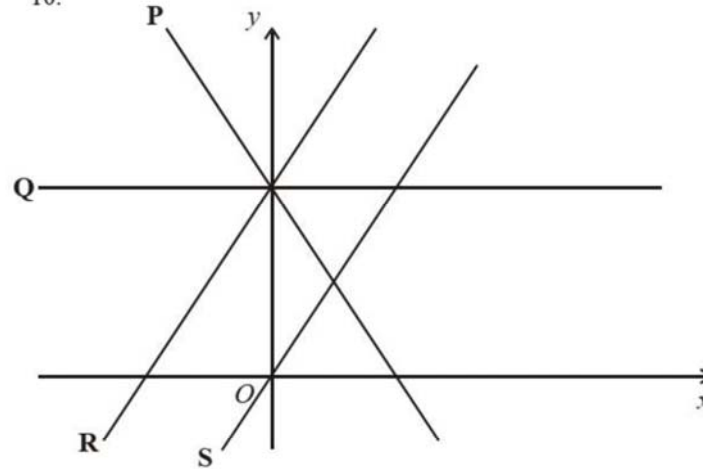
9



Find the equation of line that passes through A and B

(3)

10.



The diagram shows 4 straight lines, labelled P, Q, R and S. The equations of the straight lines are:

- A: $y = 2x$
- B: $y = 3 - 2x$
- C: $y = 2x + 3$
- D: $y = 3$

Match each straight line, P, Q, R and S to its equation.

(2)