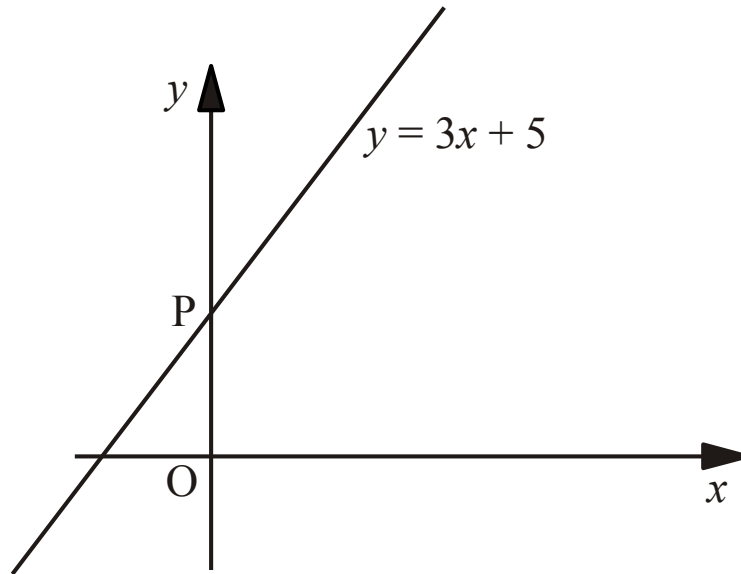


1.



(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)

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

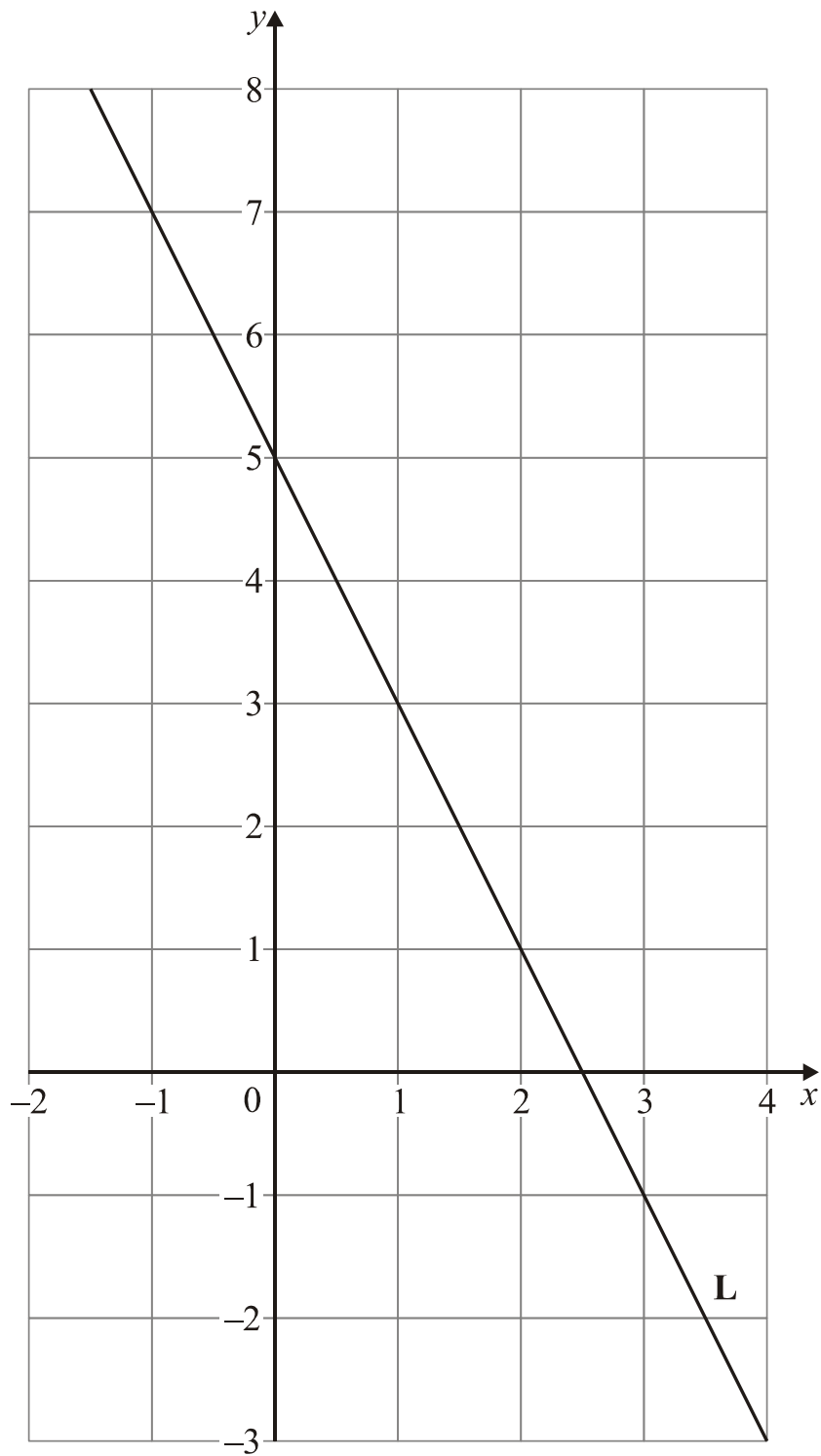
(a) Write down the gradient of the line.

..... (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)

6a) 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)

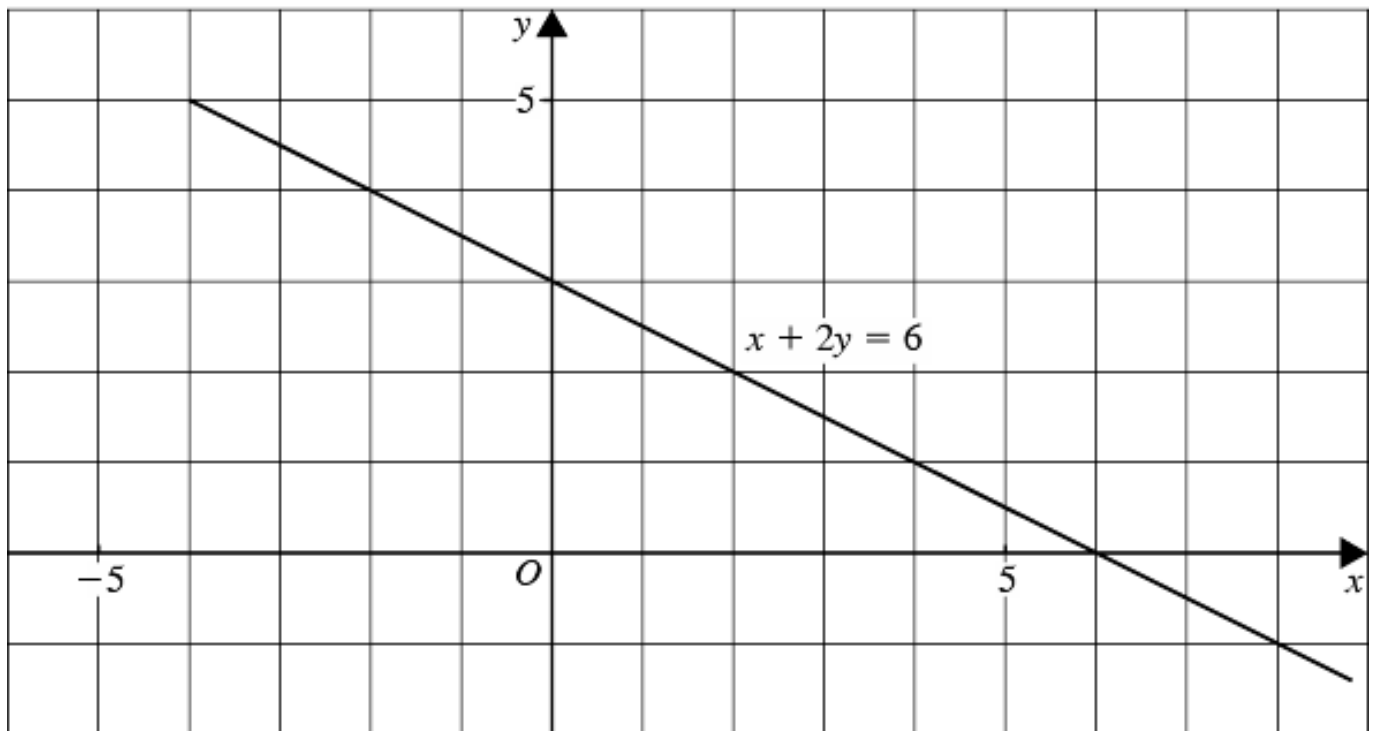
7a) A straight line has equation  $4y - 5x = 2$   
Work out the gradient of this line.

..... (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)

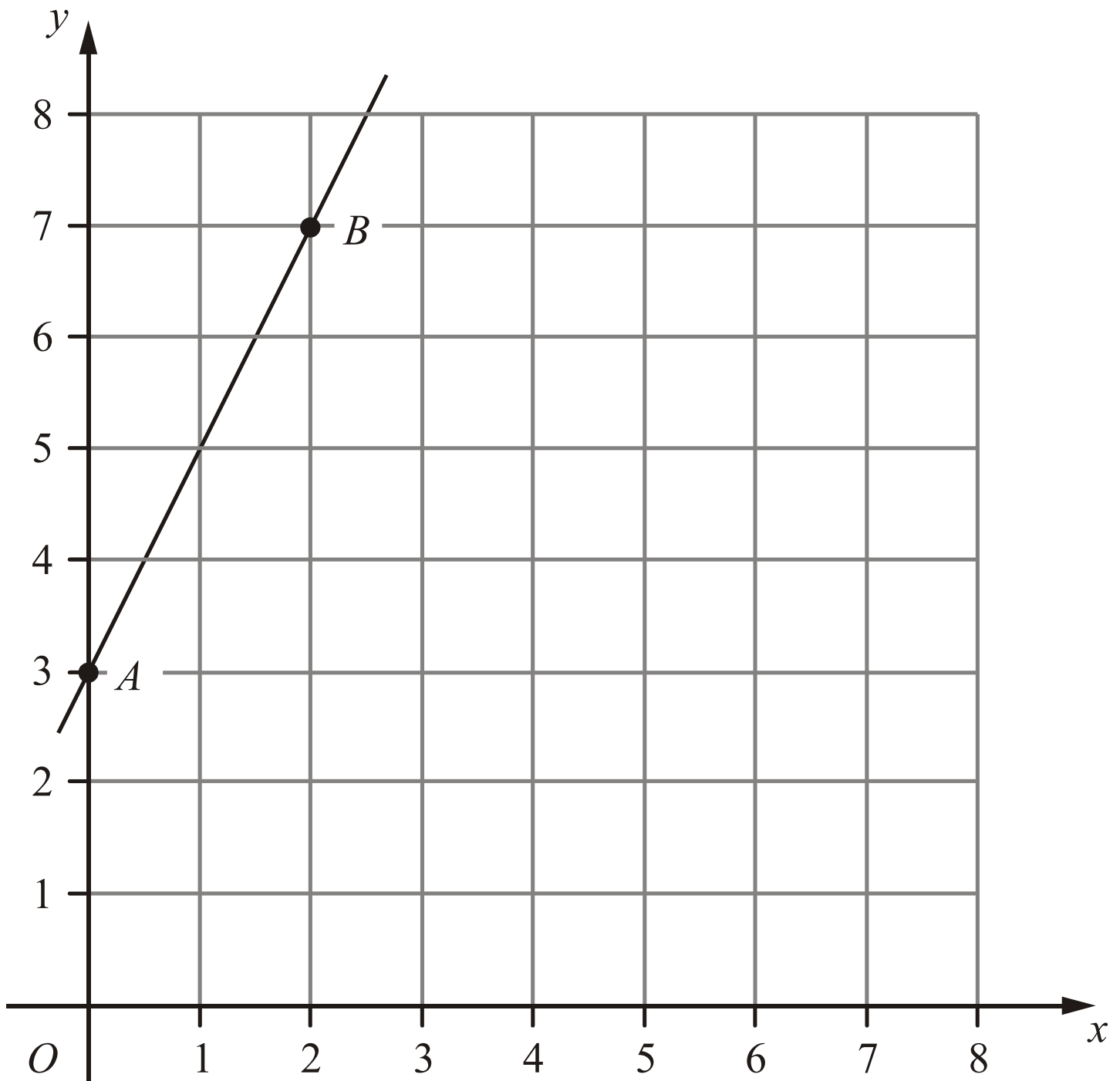
(b) Write down the gradient of the line with equation  $x+2y=6$

..... (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)

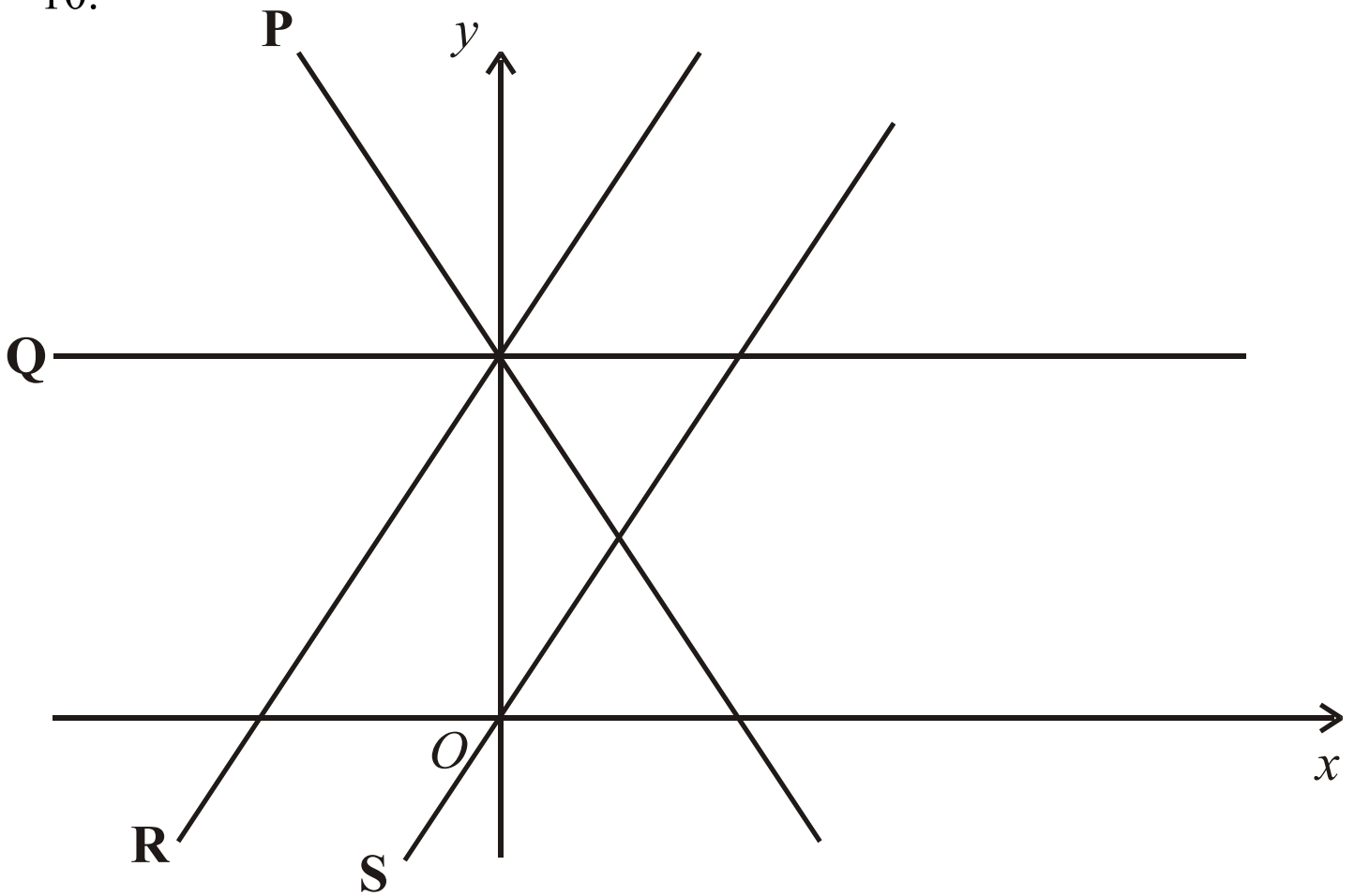
9.



Find the equation of line that passes through A and B

..... (3)

10.



7. 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.

Complete the table.

Equation	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Straight line				

(2)