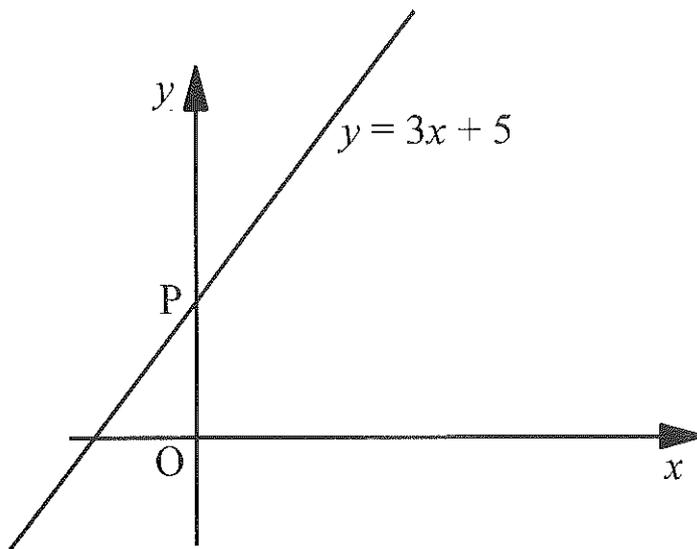


1.



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

.....5..... (1)

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

$y=3x$ (1)

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

$y=2x+4$ (2)

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

(a) Write down the gradient of the line.

..... -3 (1)

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

..... 5 (1)

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

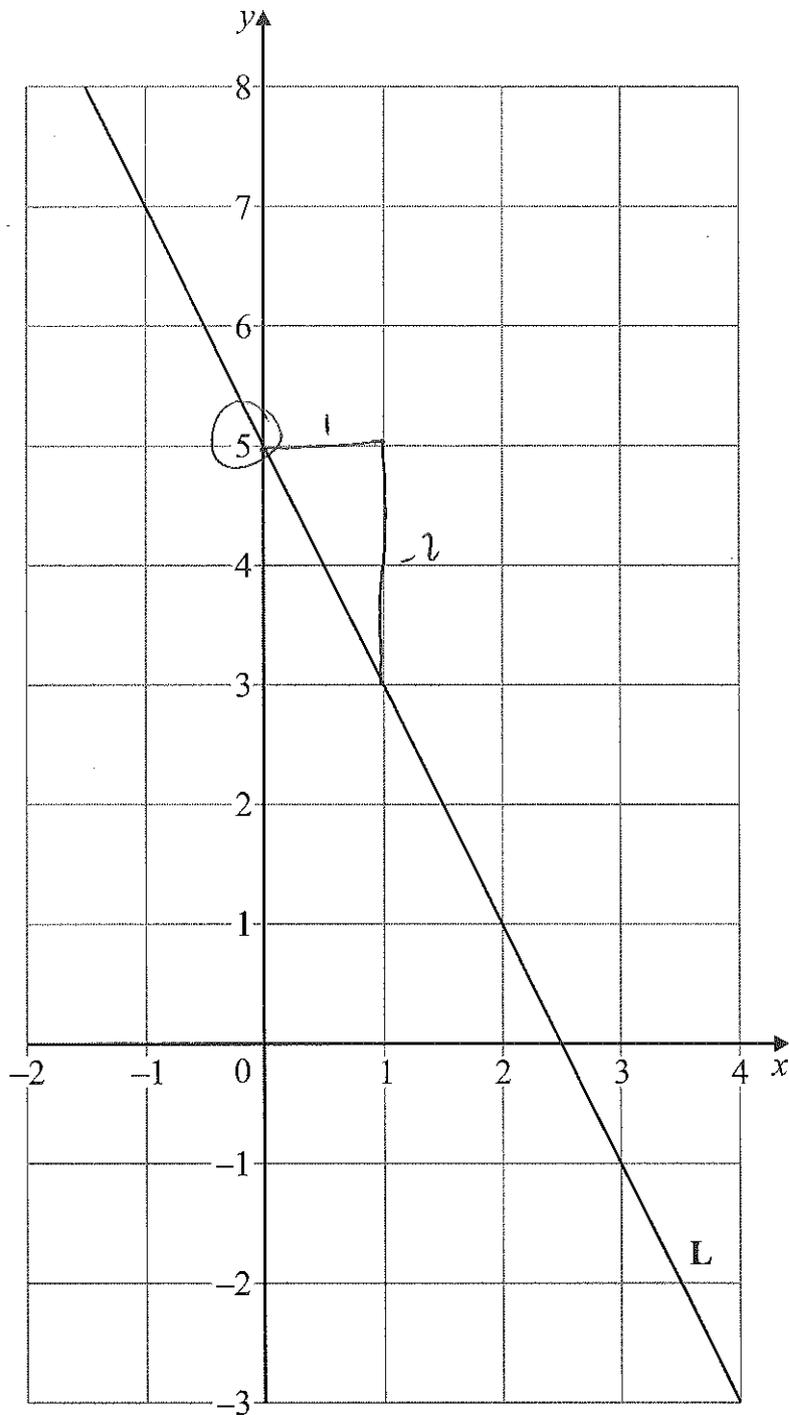
(a) Write down the gradient of the line.

..... 3 (1)

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

..... (0, -2) (1)

5.



Find the equation of line L

$$y = -2x + 5 \dots\dots\dots (3)$$

6a) A straight line has equation $2y - 10x = 8$

Work out the gradient of this line.

$$2y = 10x + 8$$
$$y = 5x + 4$$

.....5..... (2)

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

$$y = 5x \dots\dots\dots (1)$$

7a) A straight line has equation $4y - 5x = 2$

Work out the gradient of this line.

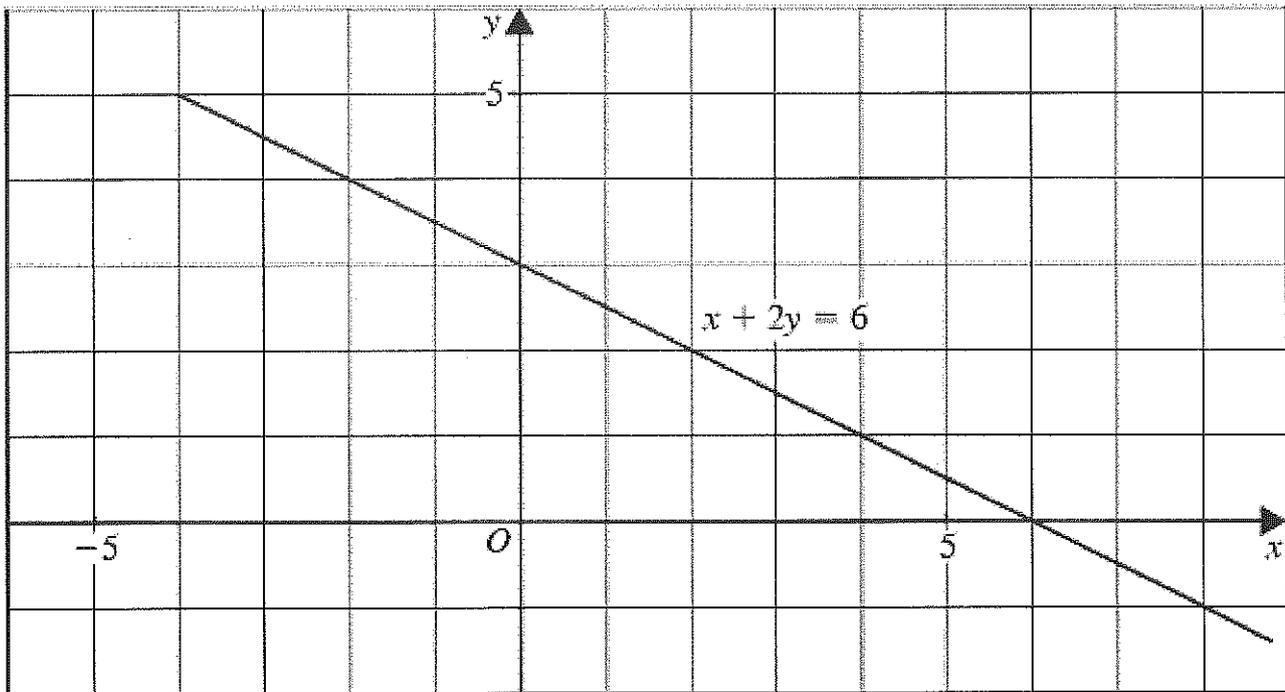
$$4y = 5x + 2$$
$$y = \frac{5}{4}x + \frac{1}{2}$$

..... $\frac{5}{4}$ (2)

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

$$y = \frac{5}{4}x \dots\dots\dots (1)$$

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.

$$2y = -x + 6$$

$$y = -\frac{1}{2}x + 3$$

$$y = -\frac{1}{2}x + 3 \quad (2)$$

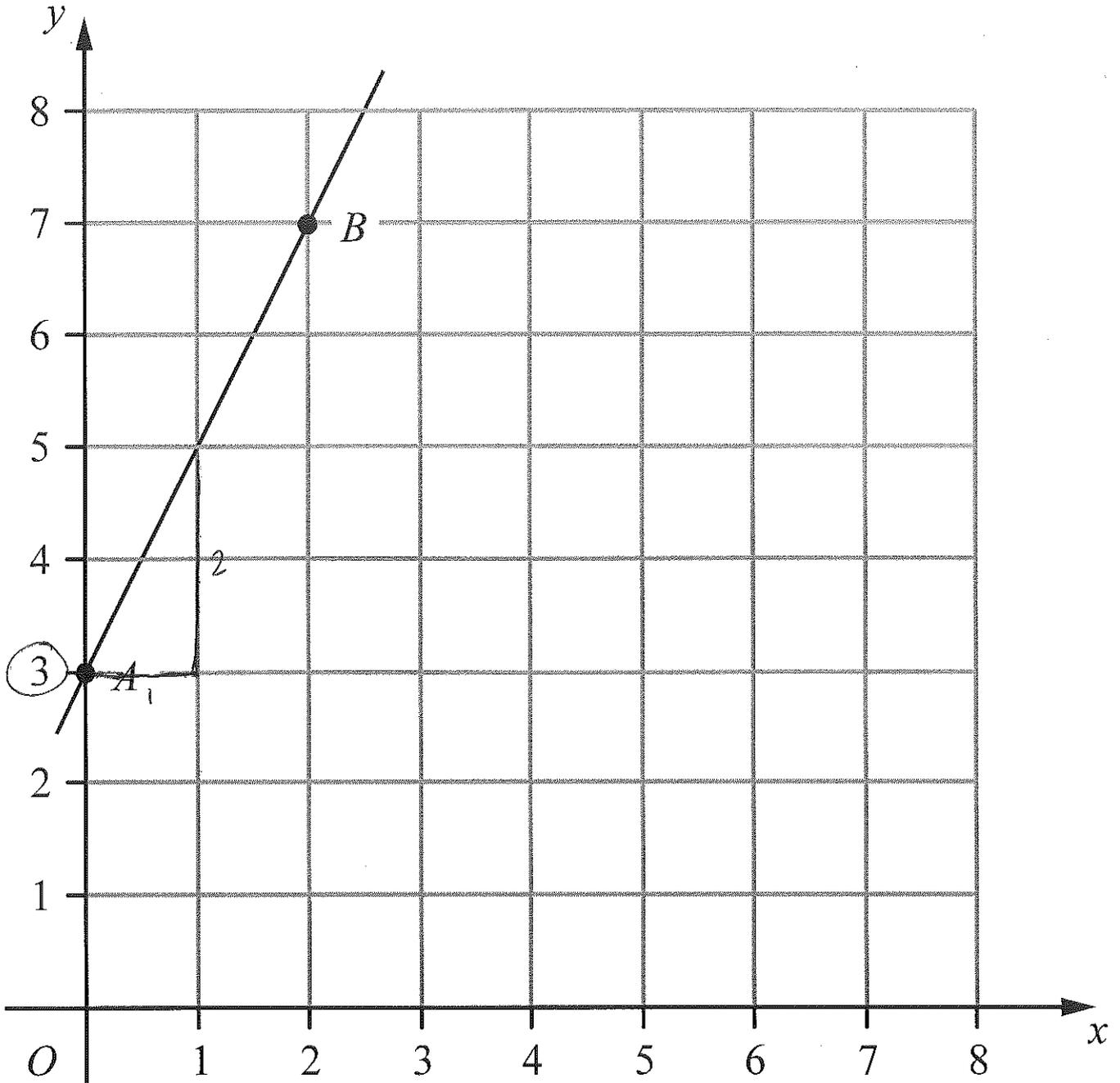
(b) Write down the gradient of the line with equation $x + 2y = 6$

$$-\frac{1}{2} \quad (2)$$

(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 $(0, 7)$.

$$y = -\frac{1}{2}x + 7 \quad (1)$$

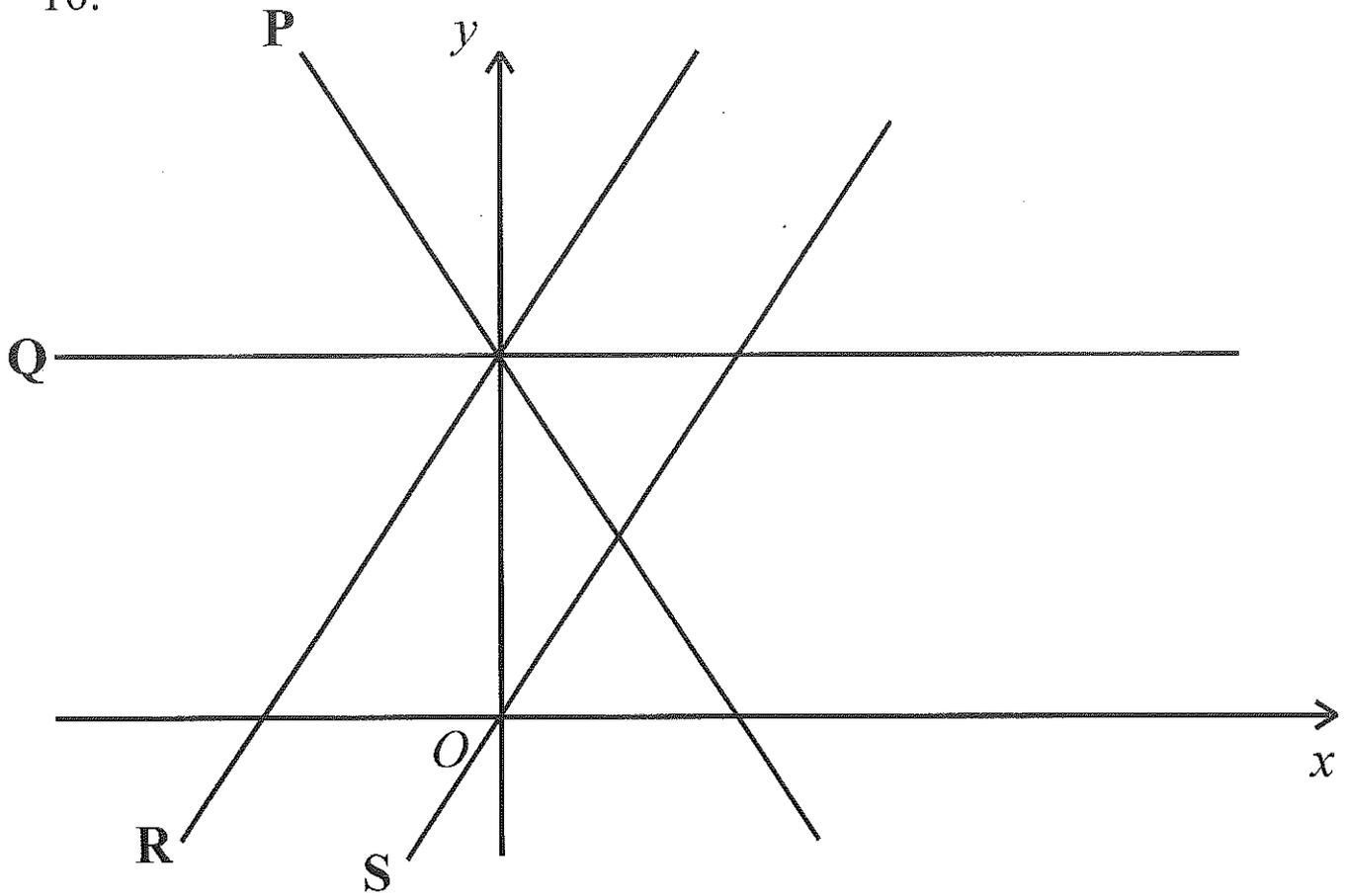
9.



Find the equation of line that passes through A and B

$y = 2x + 3$ (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	A	B	C	D
Straight line	S	P	R	Q

(2)