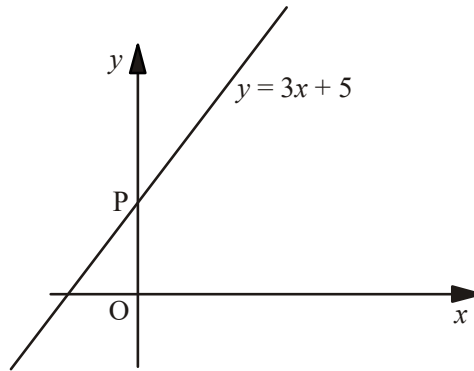**1**

(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 marks)

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

(2 marks)

3 A line passes through the point (0, -5).
The gradient of this line is 3.
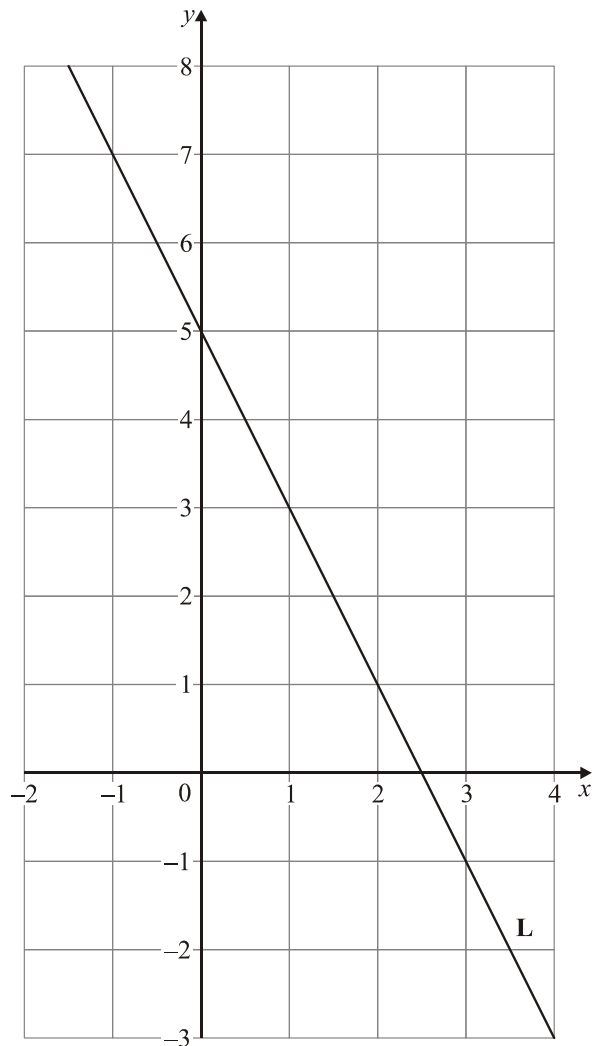Write down the equation of this line.

(2 marks)

4 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)**

(2 marks)

5 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)**

(2 marks)

6 A straight line has equation $y = 2 - x$

(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)**

(2 marks)

7 A straight line has equation $y = 4x + 3$

(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)**

(2 marks)

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Find the equation of line L.

(3 marks)

9   A straight line has equation $2y - 10x = 8$

(a) Work out the gradient of this line.   **(2)**

(b) Write down the equation of a line parallel to this line.   **(1)**
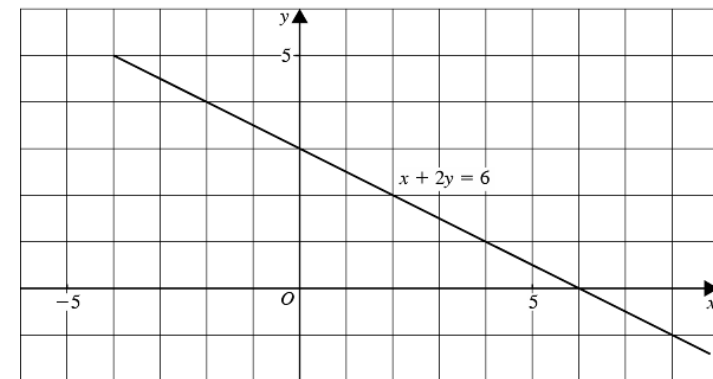
(3 marks)

10   A straight line has equation $4y - 5x = 2$

(a) Work out the gradient of this line.   **(2)**

(b) Write down the equation of a line parallel to this line.   **(1)**
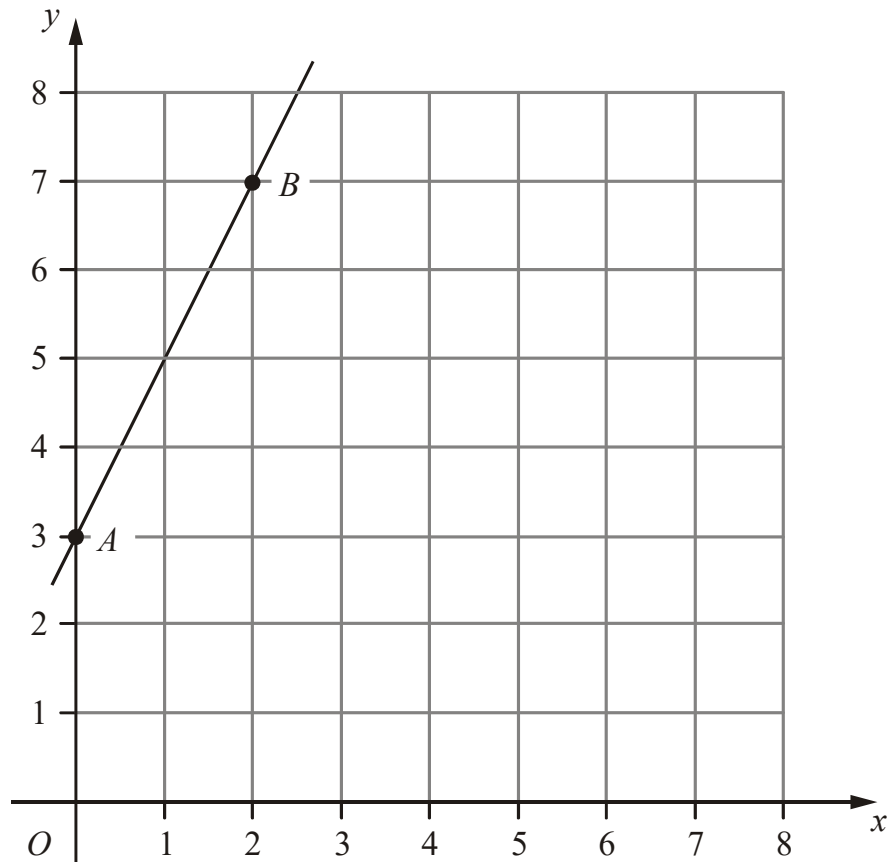
(3 marks)

11   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)**
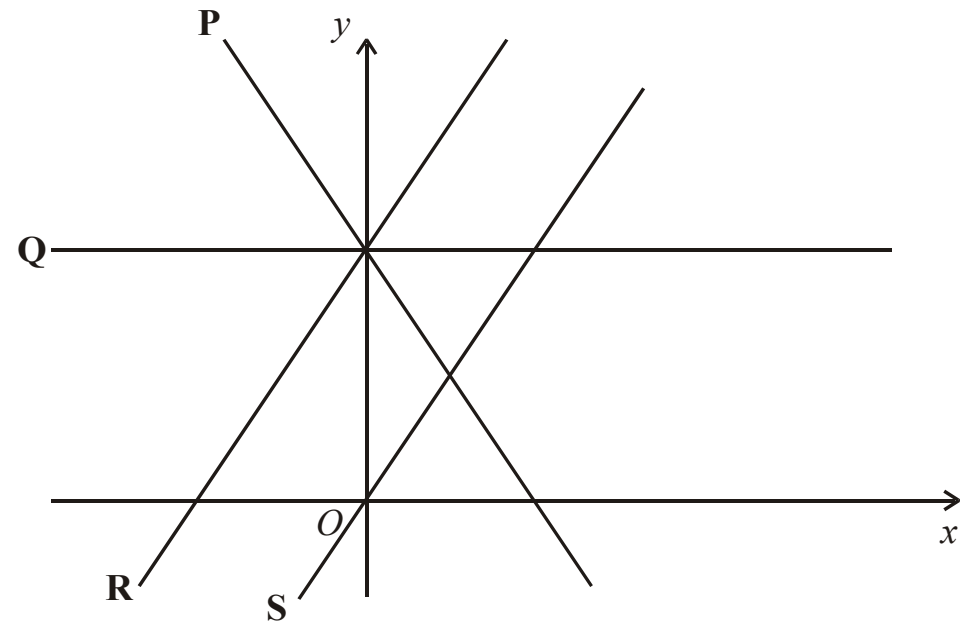
(5 marks)

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Find the equation of the line that passes through *A* and *B*.

(3 marks)

13

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 marks)

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