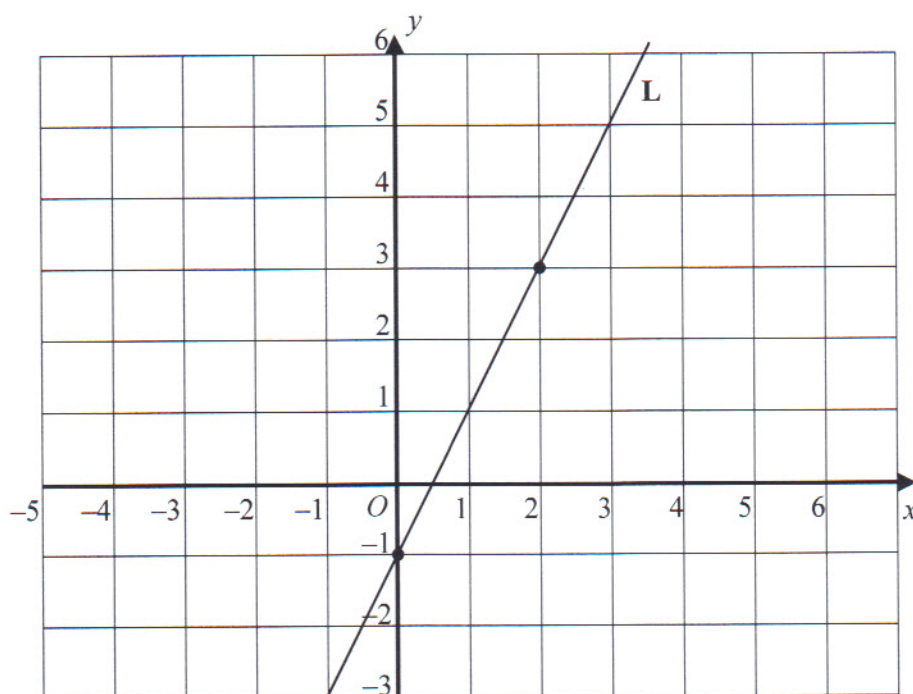


9. The straight line, **L**, passes through the points $(0, -1)$ and $(2, 3)$.

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(a) Work out the gradient of **L**.

.....
(2)

(b) Write down the equation of **L**.

.....
(2)

(c) Write down the equation of another line that is parallel to **L**.

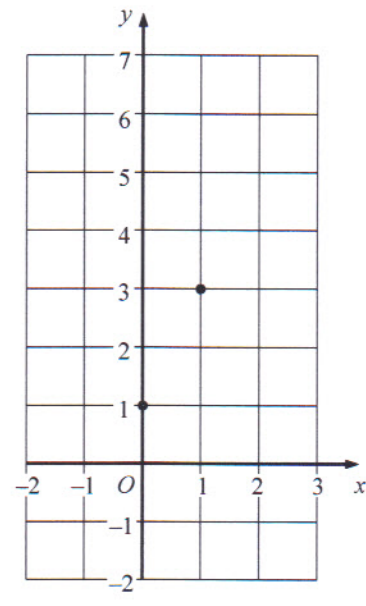
.....
(1)

(Total 5 marks)

Q9

May 07 4H

10. (a)



Find the equation of the straight line that passes through the points (0, 1) and (1, 3).

.....
(4)

(b) Write down the equation of a line parallel to the line whose equation is $y = -2x + 5$

.....
(1)

(c) Write down the coordinates of the point of intersection of the two lines whose equations are $y = 3x - 4$ and $y = -2x - 4$

(.....,)
(1)

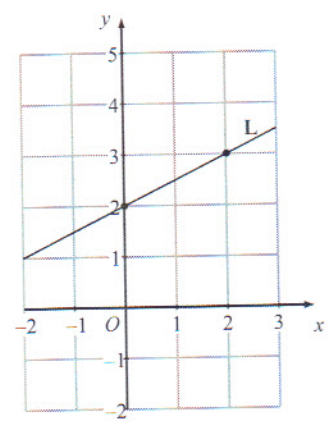
(Total 6 marks)

Q10

May 09 4H

Leave blank

12. The straight line, L, passes through the points (0, 2) and (2, 3).



(a) Work out the gradient of L.

.....
(2)

(b) Find the equation of L.

.....
(2)

(c) Write down the equation of a line parallel to L.

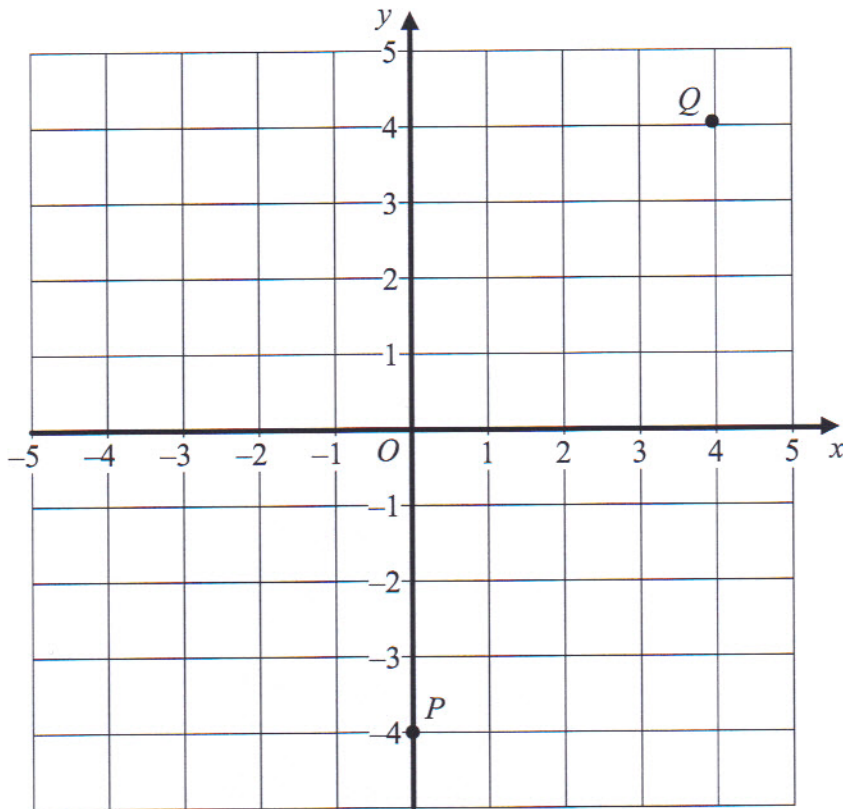
.....
(1)

(Total 5 marks)

Q12

Nov 06 3H

12.



- (a) P and Q are points with coordinates $(0, -4)$ and $(4, 4)$.
Find the equation of the straight line which passes through P and Q .

.....
(4)

- (b) On the grid, draw the line with equation $y = -\frac{1}{2}x + 1$

(3) Q12

(Total 7 marks)



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12. (a) Find the gradient of the line with equation $3x - 4y = 15$

Leave blank

.....
(3)

(b) Work out the coordinates of the point of intersection of the line with equation $3x - 4y = 15$ and the line with equation $5x + 6y = 6$

(.....,)
(4)

Q12

(Total 7 marks)

18. (a) The equation of a line L is $x + 2y = 6$
Find the gradient of L.

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.....
(3)

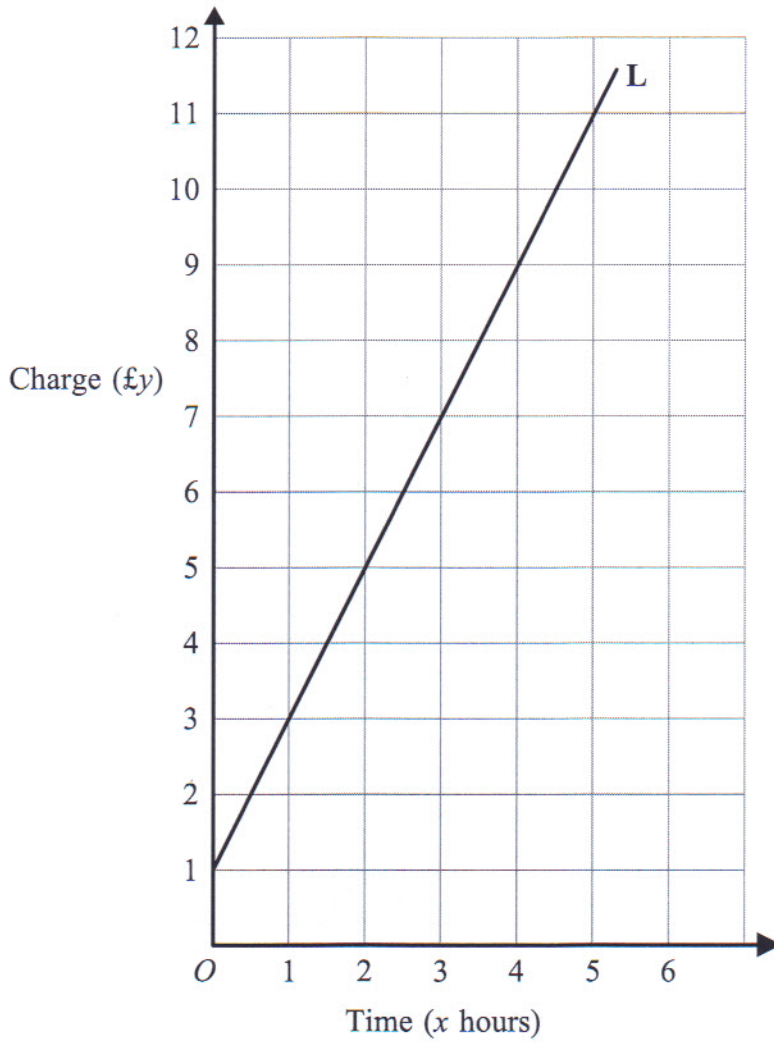
(b) Write down the equation of the line which is parallel to L and which passes through the point (0, 5).

.....
(1)

Q18

(Total 4 marks)

12. The charge, $\pounds y$, for hiring a bike for x hours can be found from the straight line **L**.



(a) (i) Find the gradient of the line **L**.

.....

(ii) Give an interpretation of your gradient.

.....

(3)



Leave blank

Nov 05 4H Q12 cont 1

Leave blank

(b) Write down the equation of the line L.

.....

(2)

(c) Another bike hire shop charges £3 with an additional charge of £1.50 per hour. Find the time for which the two shops' charges are equal.

..... hours

(2)

(Total 7 marks)

Q12