

1. Write down the equation of the line with gradient -4 passing through (0, 5) [2]
   0580/22/O/N/12 Q20 (b)

2. A line parallel to $y = 2x + 7$ passes through B(0, 3).
   Find the equation of this line [2]
   0580/22/O/N/10 Q22 (b)

3. Line A has equation $y = 5x - 4$
   Line B has equation $3x + 2y = 18$.
   (a) Find the gradient of
   (i) line A, [1]
   (ii) line B. [1]
   (b) Work out the co-ordinates of the point of intersection of line A and line B
   0580/43/O/N/17 Q8(a)

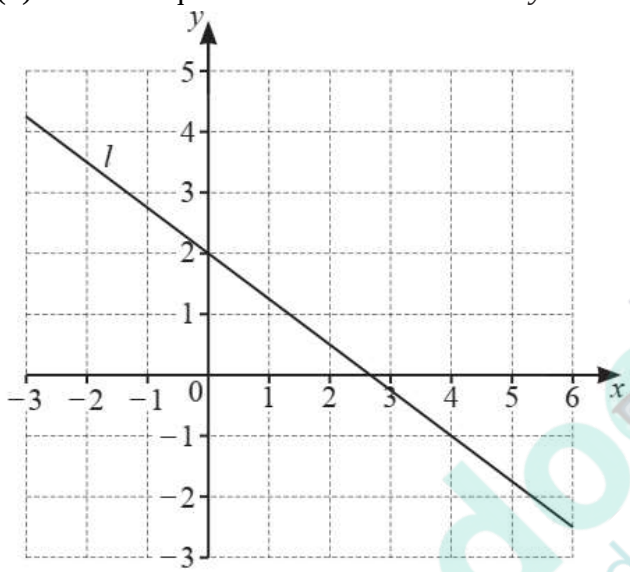
4. The lines $5x = 4y + 10$ and $2y = kx - 4$ are parallel.
   Find the value of k. [2]
   0580/22/M/J/12 Q17(c)

5. Sketch the graph of the function $y = x - 3$. [1]
   0580/22/F/M/20 Q10 (a)

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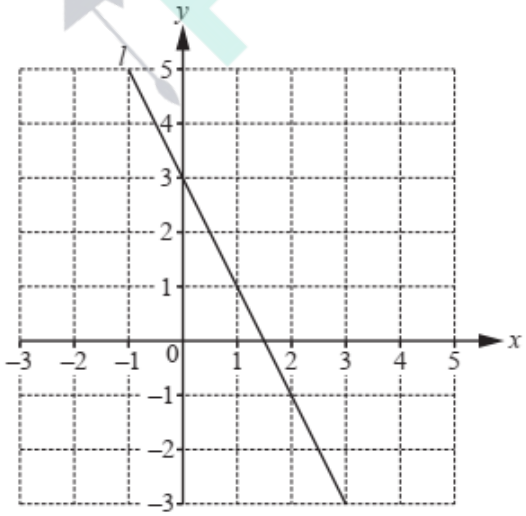


6. (a) Find the gradient of line l. [2]
   (b) Find the equation of line l in the form $y = mx + c$. [2]



0580/21/M/J/21 Q16)

7. Find the equation of the line l. Give your answer in the form y = mx + c. [3]

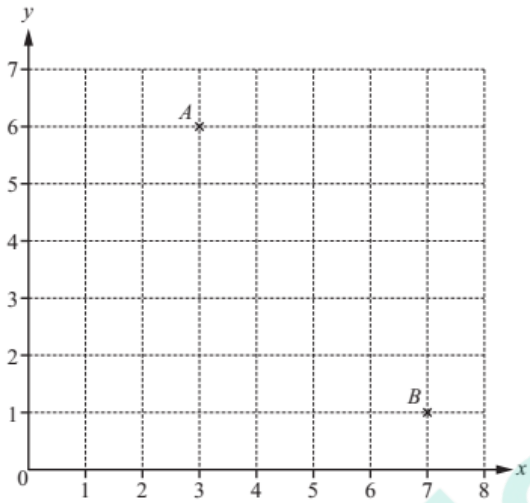


0580/22/F/M/17 Q20 (a)

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8. Point A has co-ordinates (3, 6).

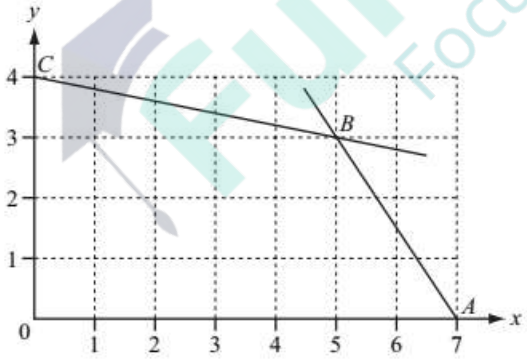


(a) Write down the co-ordinates of point B [1]

(b) Find the gradient of the line AB. [2]

0580/22/O/N/16 Q20)

9. Find the equation of the line CB [3]

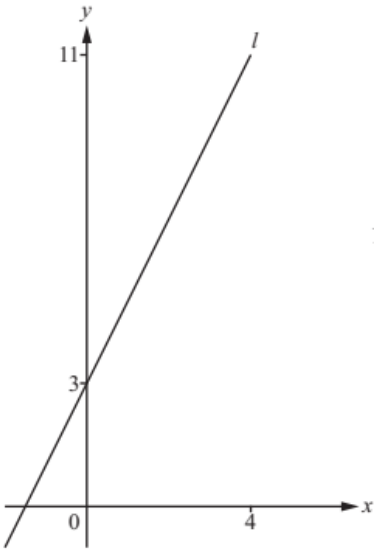


0580/22/M/J/11 Q18 (b)

10. The diagram shows the straight line, l, which passes through the points (0, 3) and (4, 11)

Find the equation of line l in the form y = mx + c. [3]

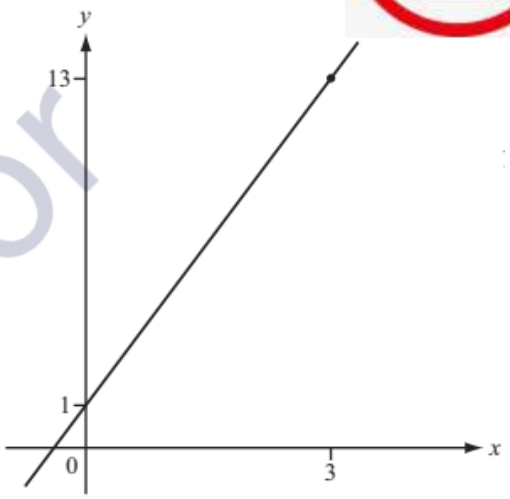
0580/22/M/J/15 Q17)



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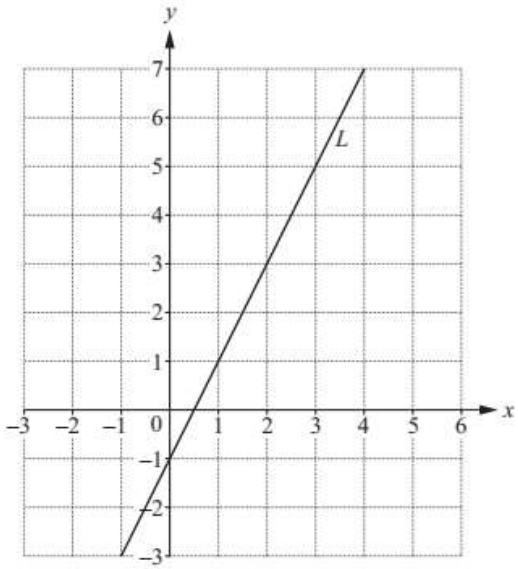


11. The diagram shows the straight line which passes through the points (0, 1) and (3, 13).
Find the equation of the straight line. [3]
0580/23/M/J/11 Q14)

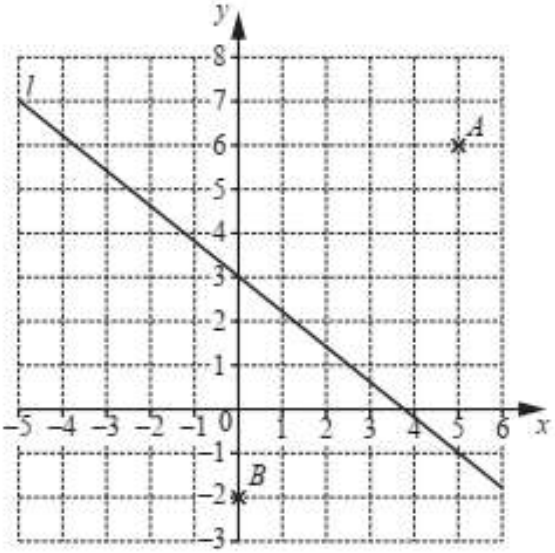


12. (a) Work out the gradient of the line L. [2]
(b) Write down the equation of the line parallel to the line L that passes through the point (0 , 6) [2]

0580/23/M/J/16 Q18)



13. (a) Write down the co-ordinates of A. [1]
(b) Find the equation of line l in the form
$y = mx + c$. [3]
(c) Write down the equation of the line parallel to line l that passes through the point B.[2]
0580/41/O/N/18 Q8)



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14. (a) The equation of a straight line is $2y = 3x + 4$

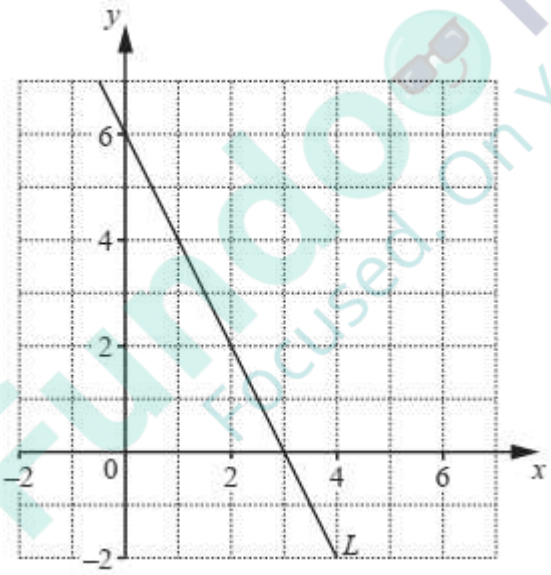
(i) Find the gradient of this line. [1]

(ii) Find the co-ordinates of the point where the line crosses the y-axis. [1]

(b) The diagram shows a straight line L

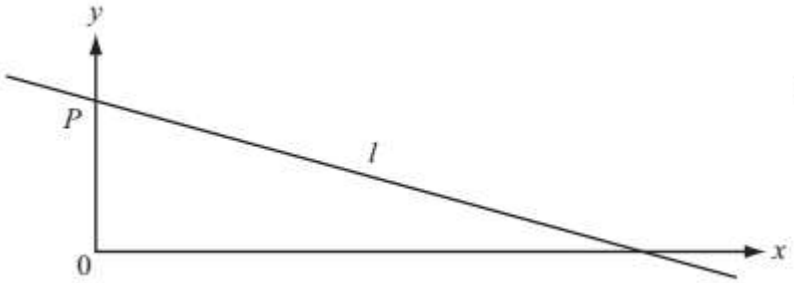
(i) Find the equation of line L. [3]

(ii) Find the equation of the line parallel to line L that passes through (0, 3). [2]



0580/42/M/J/19 Q4)

15. The equation of the line l in the diagram is $y = 5 - x$



(a) The line cuts the y-axis at P.

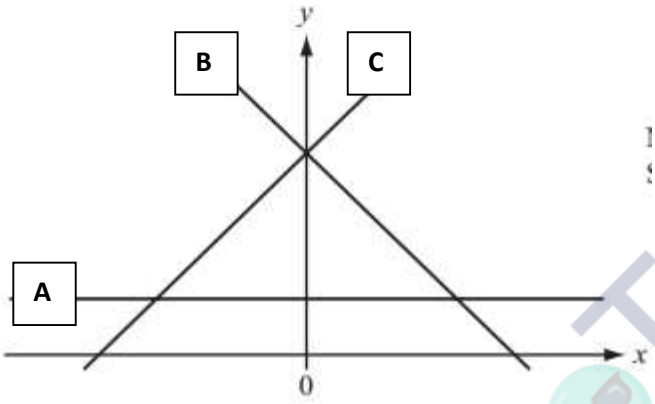
Write down the co-ordinates of P. [1]

(b) Write down the gradient of the line l [1]

0580/22/M/J/14 Q5)

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16. The diagram shows the three lines A , B and C.



State which line is the line of the equation

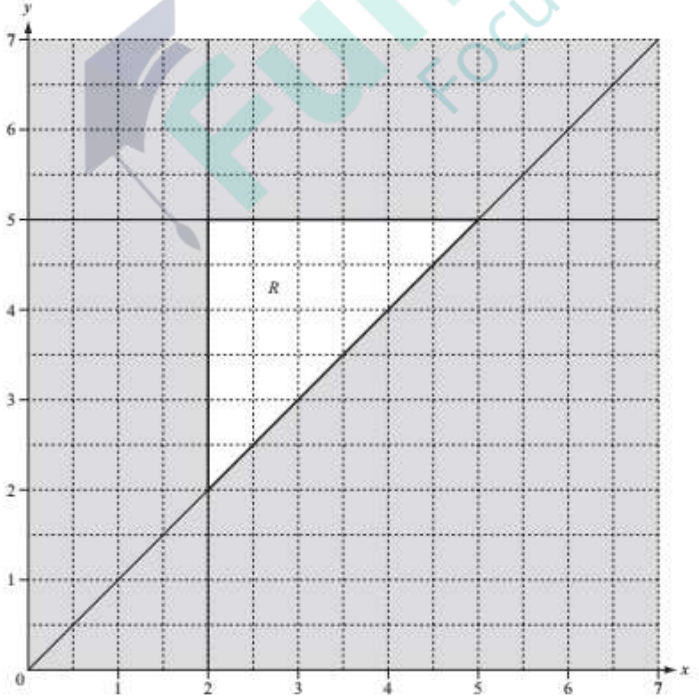
(a) y = 1 : Line ..... [1]

(b) $y = x + 4$: Line ..... [1]

(c) $y = 4 - x$: Line ..... [1]

0580/23/M/J/11 Q13) (altered)

17. Write down the equations of the three lines shown in the graph below. [3]

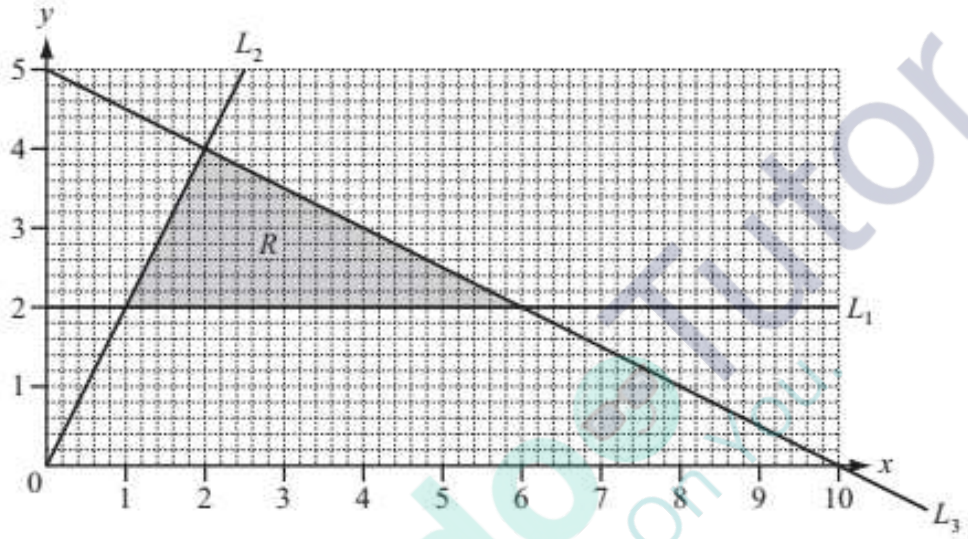


0580/22/O/N/11 Q14)

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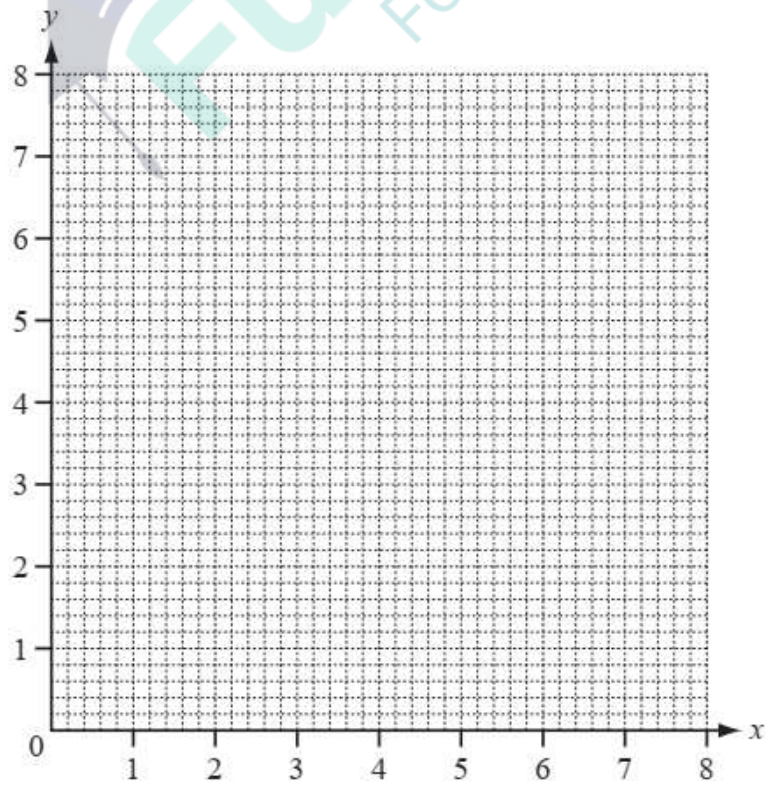


18. Find the equations of the lines L_1, L_2 and L_3. [5]



0580/41/O/N/13 Q9(a)

19. Draw the lines y = 2, x = 5 , y = 2x and x + y = 6, y = $-\frac{1}{2}x + 8$ on the grid below [7]



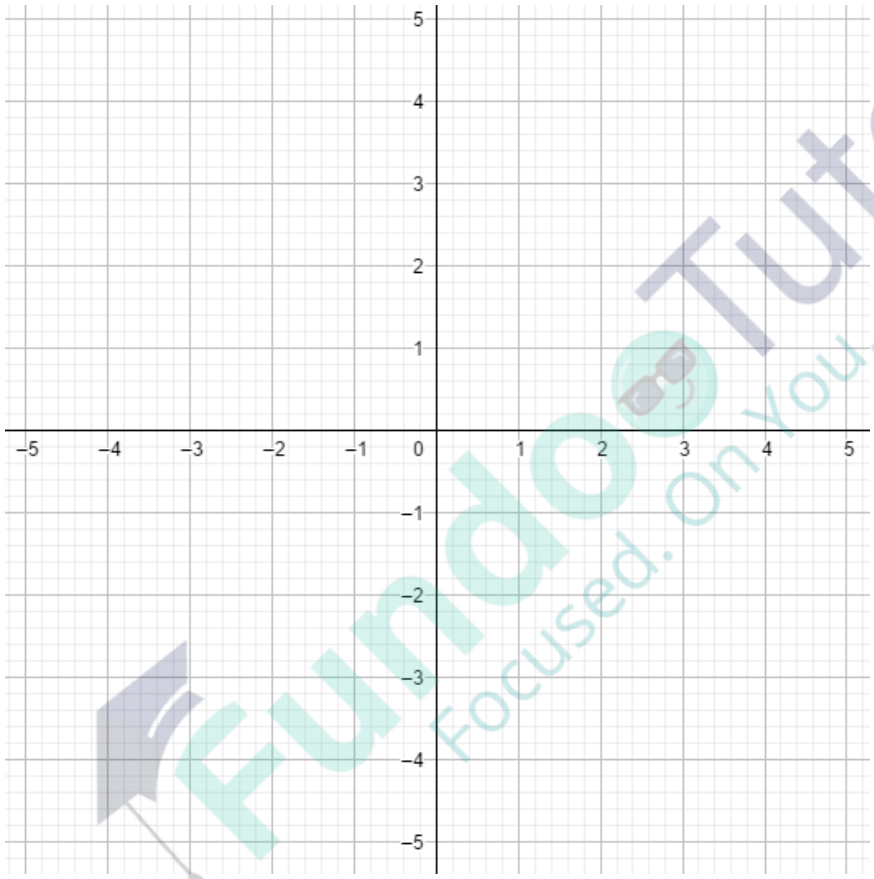
0580/22/O/N/10 Q20)

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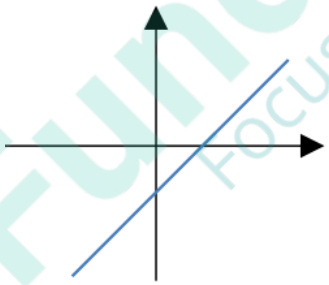
20. Solve the following simultaneous equation using graphical methods

$3x + y = 2$, $2x - y = 3$ [3]

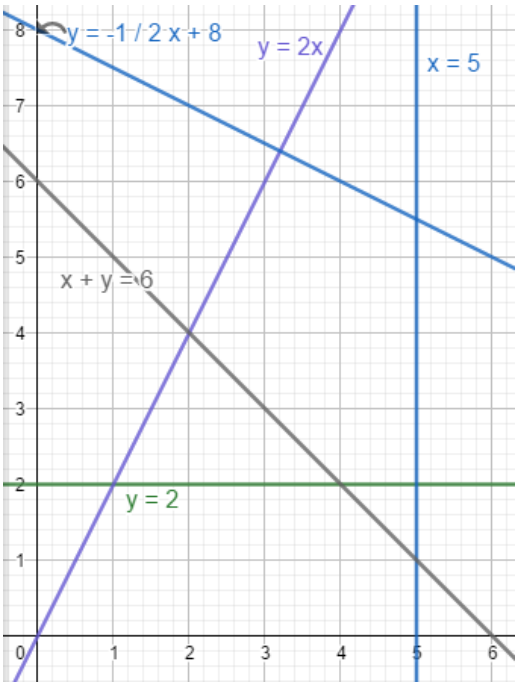


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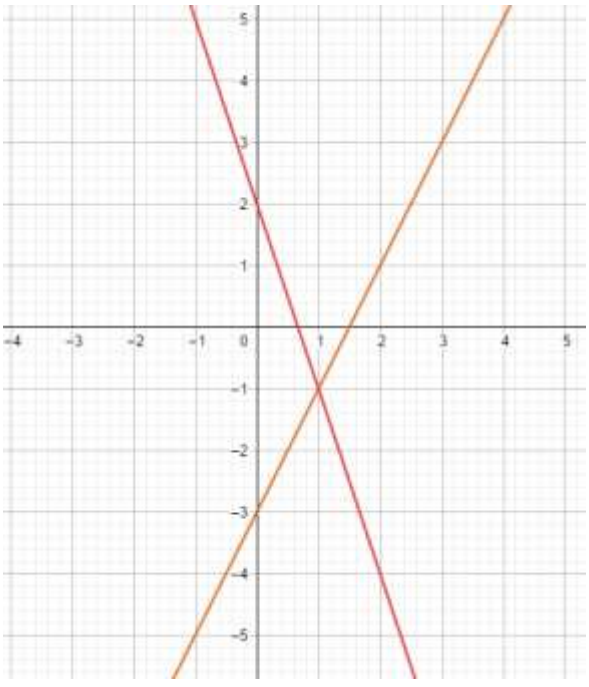
Answers

Q1) y = -4x + 5	Q6) (a)$-\frac{3}{4}$ (b) $[y =] -\frac{3}{4}x + 2$	Q11) y = 4x + 1	Q16) (a) A, (b) C (c) B
Q2) y = 2x + 3	Q7) y = -2x + 3	Q12) (a)2 (b)y = 2x +6	Q17) x = 2 , y = 5 , y = x
Q3) (i)5 (ii)-1.5 (b) (2, 6)	Q8) (a) (7 , 1) (b)-5/4	Q13) (a) (5, 6) (b) y = -4/5x + 3 (c) = -4/5x -2	Q18) (a) y = 2 , y = 2x , y = -1/2x + 5
Q4) 2.5	Q9) y = -1/5x + 4	Q14) (a)(i) 1.5 (a)(ii) (0, 2) (b)(i) y = −2x + 6 (b)(ii)y = -2x + 3	
Q5) 	Q10) y = 2x + 3	Q15) (a) (0 , 5) (b)-1 16) 0580/23/M/J/11 Q13) (altered) (a) A, (b) C (c) B	

Q19)



Q20) x = 1 , y = -1



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