

- 8 (a) (i) Write down the co-ordinates of the point where the line $y = 6x - 3$ crosses the y -axis.

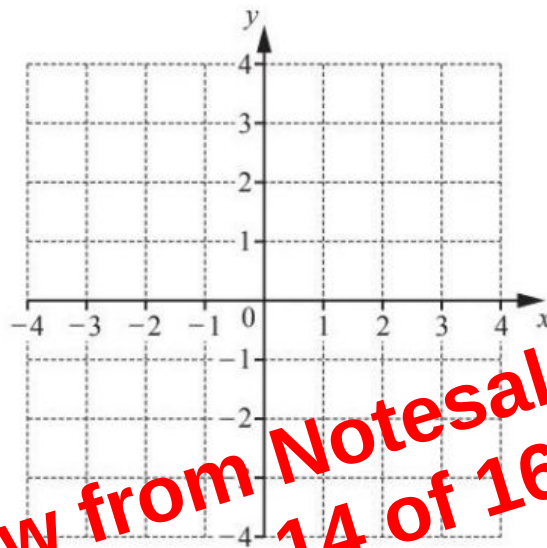
(0 , -3) [1]

- (ii) Write down the equation of the straight line that

- passes through the origin
- and
- is parallel to $y = 6x - 3$.

$y = 6x$ or [1]

- (b)



- (i) On the grid, draw the line through the point $(-3, -2)$ that is perpendicular to the y -axis.

$y = -2$ drawn, ruled [1]

- (ii) On the grid, draw the line $y = -2x$.

$y = -2x$ drawn, ruled [1]

- (c) The equations of two straight lines are $y = 3x + 13$ and $y = 7x - 3$.

Use algebra to solve these two simultaneous equations to find the co-ordinates of the point where the lines meet.

You must show all your working.

If M0 scored, SC1 for 2 values that substitute to give

$y - 3x$ rounding to 13.0, or

$y - 7x$ rounding to 3.0

SC – Special Case

($x = 4$, $y = 25$) [3]

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Question 9 is printed on the next page.