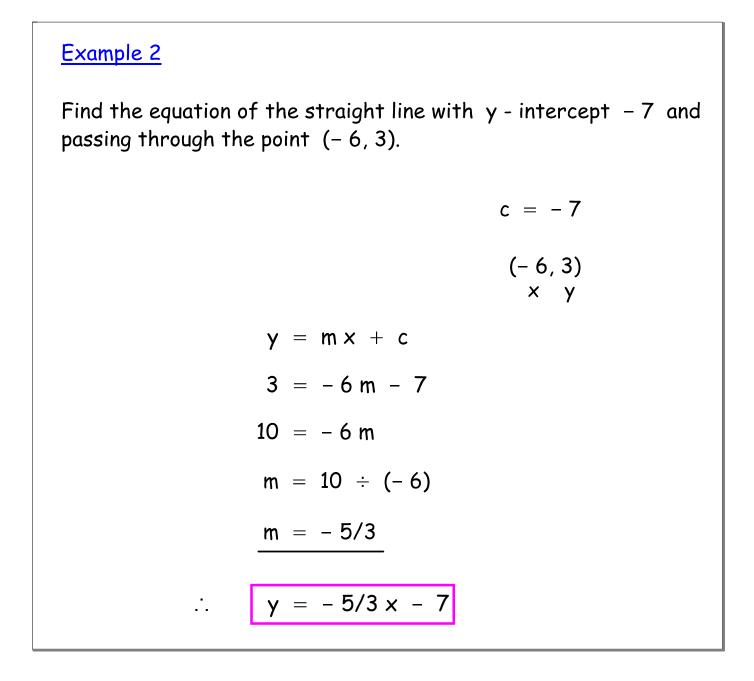


Example 1

Find the equation of the straight line with y - intercept 4 and passing through the point (2, 6).

c = 4 (2, 6) x y y = m x + c 6 = 2 m + 4 2 = 2 m $\underline{m = 1}$ $\therefore \quad y = x + 4$

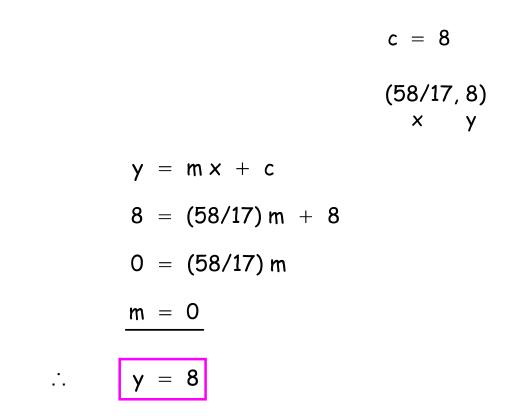


Example 3

Find the equation of the straight line with y - intercept 0 and passing through the point (8, -16). c = 0(8, -16) $x \quad y$ y = m x + c-16 = 8 m + 0 $m = -16 \div 8$ $\underline{m = -2}$ $\therefore \qquad y = -2 x$

Example 4

Find the equation of the straight line with y - intercept 8 and passing through the point (58/17, 8).



Find the equations of the straight lines with y - intercept and point :1) c = 2, (3, 8)9) c = 1/2, (1, 3)2) c = -8, (8, 0)10) c = 1/3, (1, 8)3) c = 3, (-1, -2)11) c = 0, (3, 393)4) c = -2, (10, 28)12) c = -2/5, (1, -1/5)5) c = 40, (1, 40)13) c = -3/7, (1, 8/7)6) c = 0, (100, 300)14) c = -8/9, (2, 20/9)7) c = -1, (-6, -4)15) c = -13/17, (1, 20/17)8) c = 4, (4, 6)16) c = 13/17, (1, 13/17)

Find the equations of the straight lines with y - intercept and point :	
1) c = 2, (3,8) $y = 2x + 2$	9) c = $1/2$, (1, 3) 9) c = $1/2$, (1, 3)
2) c = -8, (8,0) $y = x - 8$	10) c = 1/3, (1,8) $\gamma = \frac{23}{3} \times \frac{1}{3}$
3) c = 3, $(-1, -2)^{y} = 5x + 3$	11) c = 0, (3, 393) $y = \frac{131 \times x}{y = \frac{1}{5} \times \frac{2}{5}}$
4) $c = -2$, (10, 28) 4) $x = -2$	12) c = -2/5, $(1, -1/5)$ y = 11/7 x - 3/7
5) c = 40, (1, 40) $\gamma = 40$	13) c = $-3/7$, (1, 8/7)
6) $c = 0$, (100, 300) y = 3x	$y = \frac{14}{9} \times \frac{8}{9}$ 14) c = -8/9, (2, 20/9)
7) c = -1, (-6, -4) $y = 1/2 \times -1$	15) $c = -13/17$, (1, 20/17)
8) c = 4, (4, 6) $\gamma = 1/2 \times + 4$	16) c = $13/17$, (1, $13/17$)
	'