$y = mx + b$ [Just Plug In!]

Linear Equations

Finding the Equation of a Line – Given the Slope and the Y-Intercept

Write the Linear Equation containing the following in Slope-Intercept Form:

1. m = -2 & b = 5 $y = -2x + 5$	2. m = 6 & b = -6 $y = 6x - 6$
3. m = 0 & b = -12 $y = 0x - 12$ $y = -12$	4. m = 8 & b = 0 $y = 8x + 0$ $y = 8x$
5. m = 0.5 & b = 0.75 $y = 0.5x + 0.75$	6. m = -1 & b = -9 $y = -1x - 9$
7. m = 5 & b = 2 $y = 5x + 2$	8. m = 0.25 & b = -1 $y = 0.25x - 1$
9. m = 11 & b = 7 $y = 11x + 7$	10. m = -14 & b = No b term given.

11. $m = \frac{1}{8}$ & $b = -\frac{3}{4}$ $y = \frac{1}{8}x - \frac{3}{4}$	12. $m = \frac{2}{3}$ & $b = \frac{1}{7}$ $y = \frac{2}{3}x + \frac{1}{7}$
13. $m = -\frac{9}{10}$ & $b = \frac{2}{5}$ $y = \frac{-9}{10}x + \frac{2}{5}$	14. $m = \frac{-5}{6}$ & $b = \frac{-8}{11}$ $y = \frac{-5}{6}x - \frac{8}{11}$
15. $m = \frac{1}{3}$ & $b = \frac{5}{4}$ $y = \frac{1}{3}x + \frac{5}{4}$	16. $m = -\frac{2}{9}$ & $b = \frac{7}{8}$ $y = -\frac{2}{9}x + \frac{7}{8}$
17. $m = \frac{9}{2}$ & $b = \frac{-1}{2}$ $y = \frac{9}{2}x - \frac{1}{2}$	18. $m = \frac{7}{4}$ & $b = \frac{-9}{4}$ $y = \frac{7}{4}x - \frac{9}{4}$
19. $m = -\frac{1}{4}$ & $b = -\frac{1}{4}$ $y = \frac{-1}{4}x - \frac{1}{4}$	20. $m = -\frac{11}{13}$ & $b = \frac{15}{13}$ $y = \frac{-11}{13}x + \frac{15}{13}$