

# Algebra I

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2) $y = -3x + 4$	14) $y = -\frac{2}{5}x + 9$	26) $y = 5x + 3$
4) $y = \frac{2}{3}x + 9$	16) $y = 4$	28) $y = -x + 3$
6) $y = -\frac{1}{3}x + 1$	18) $y = -2x + 3$	30) $y = \frac{5}{2}x - 5$
8) $y = 3x - 11$	20) $y = -\frac{4}{3}x$	32) $y = -\frac{1}{2}x - 2$
10) $y = -x + 13$	22) $y = -\frac{1}{2}x + \frac{10}{3}$	34) $y = -1$
12) $y = \frac{1}{3}x - 2$	24) $y = -\frac{3}{4}x - \frac{13}{4}$	

6)  $m = -\frac{1}{3}$  x-int = 3  
 $(3, 0)$

$$y = mx + b$$

$$y = -\frac{1}{3}x + b$$

temp

$$\begin{aligned} 0 &= -\frac{1}{3}(3) + b \\ 0 &= -1 + b \\ 1 &= b \end{aligned}$$

$$y = -\frac{1}{3}x + 1$$

8)  $m = 3$   
 $(4, 1)$

$$y = mx + b$$

$$y = 3x + b$$

$$\begin{aligned} 1 &= 3(4) + b \\ 1 &= 12 + b \\ 1 - 12 &= 12 - 12 + b \\ -11 &= b \end{aligned}$$

$$y = 3x - 11$$

$$12) m = \frac{1}{3} \quad (6, 0)$$

$$y = mx + b$$

$$y = \frac{1}{3}x + b$$

$$0 = \frac{1}{3}(6) + b$$

$$0 = 2 + b$$

$$-2 = b$$

$$y = \frac{1}{3}x - 2$$