

\* 7 (40) graph paper

5.3 pg. 312 #8-52 even

8)  $m = -1$   
 $b = 4$

30)  $\begin{matrix} (-3, 3) \\ (1, 2) \end{matrix}$   $\frac{3-2}{-3-1} = \frac{1}{-4}$

10)  $m = -3, b = 2$

$$y = -\frac{1}{4}x + b$$
$$2 = -\frac{1}{4}(1) + b$$

12)  $m = -6, b = 0$

$$+\frac{1}{4} \quad +\frac{1}{4}$$

14)  $m = -0.2, b = 3$

$$2\frac{1}{4} = b$$

16)  $y = 1x + -1$

$$y = -\frac{1}{4}x + 2\frac{1}{4}$$

18)  $y = \frac{1}{2}x + -\frac{1}{2}$

32) see graph

20)  ~~$y = \frac{1}{2}x + -1$~~   $y = -\frac{1}{2}x + 1.5$

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

34)  $y = 7.50x - 5$

24)  $y = -1x$

36) Yes, b/c one line has a  $\oplus$  slope & the other has a  $\ominus$  slope

26)  $y = \frac{3}{2}x + -2$

28)  $\begin{matrix} (0, 3) \\ (2, 5) \end{matrix}$   $m = \frac{5-3}{2-0} = \frac{2}{2} = 1$

(see graph)

$$y = 1x + 3$$

$$38) \begin{array}{r} y + \frac{1}{2}x = 0 \\ -\frac{1}{2}x \quad -\frac{1}{2}x \end{array}$$

$$y = -\frac{1}{2}x + 0$$

$$m = -\frac{1}{2}, b = 0$$

46) used  $-1$  for  $b$ , not  $1$   
(see graph)

48) see graphs

52)

$$40) \begin{array}{r} 2y - 6 = 3x \\ +6 \quad +6 \end{array}$$

$$2y = 3x + 6$$

$$y = \frac{3}{2}x + 3$$

$$m = \frac{3}{2}, b = 3$$

$$48) y = -3x + 7$$

$$50) \begin{array}{r} 3y + 6 = -2x \\ -6 \quad -6 \end{array}$$

$$3y = -2x - 6$$

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

$$42) \begin{array}{r} y - d = cx \\ +d \quad +d \end{array}$$

$$y = cx + d$$

$$m = c, b = d$$

$$52) \begin{array}{r} 4x + 3y = 2x - 1 \\ -4x \quad -4x \end{array}$$

$$3y = -2x - 1$$

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

$$44) \begin{array}{r} 2y + 4n = -6x \\ -4n \quad -4n \end{array}$$

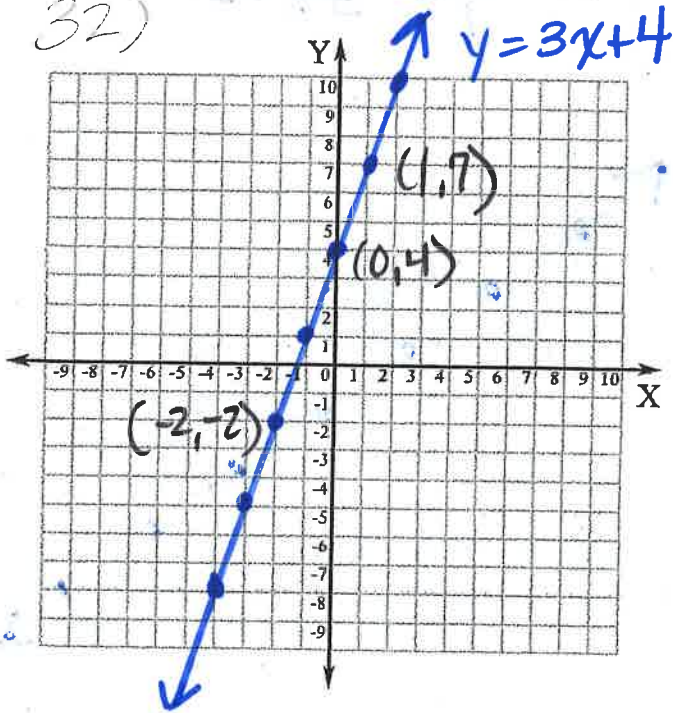
$$2y = -6x - 4n$$

$$y = -3x - 2n$$

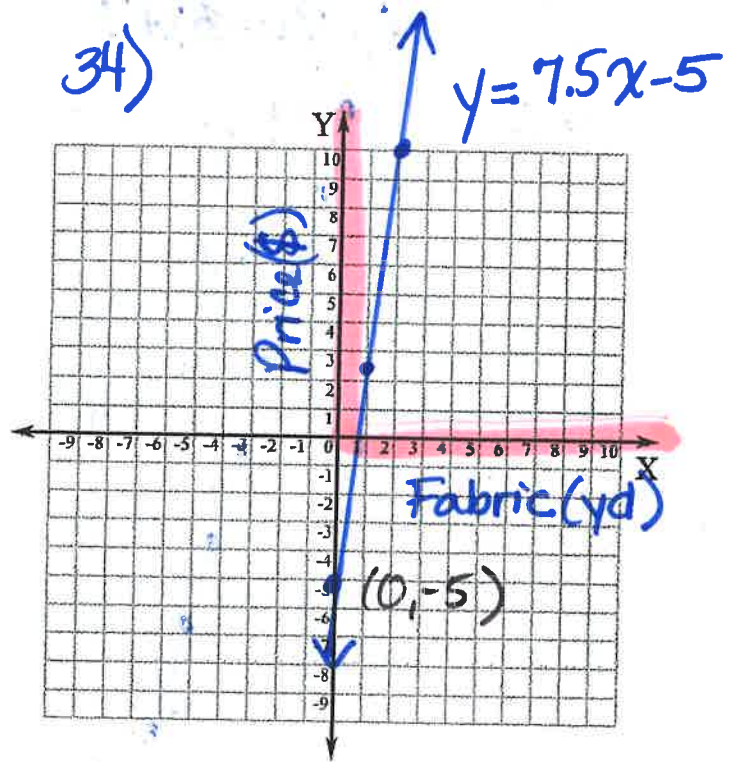
$$m = -3, b = -2n$$

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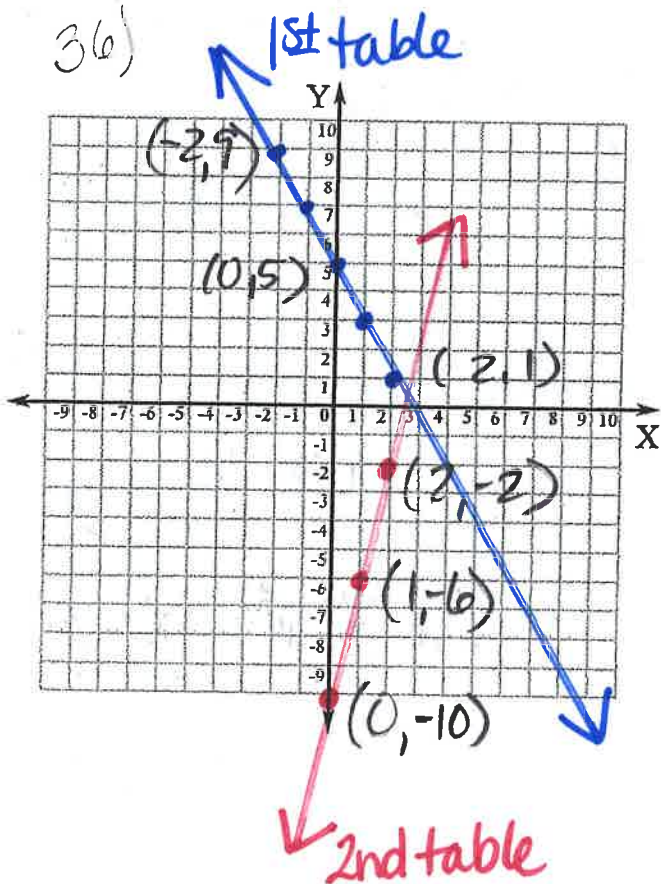
32)



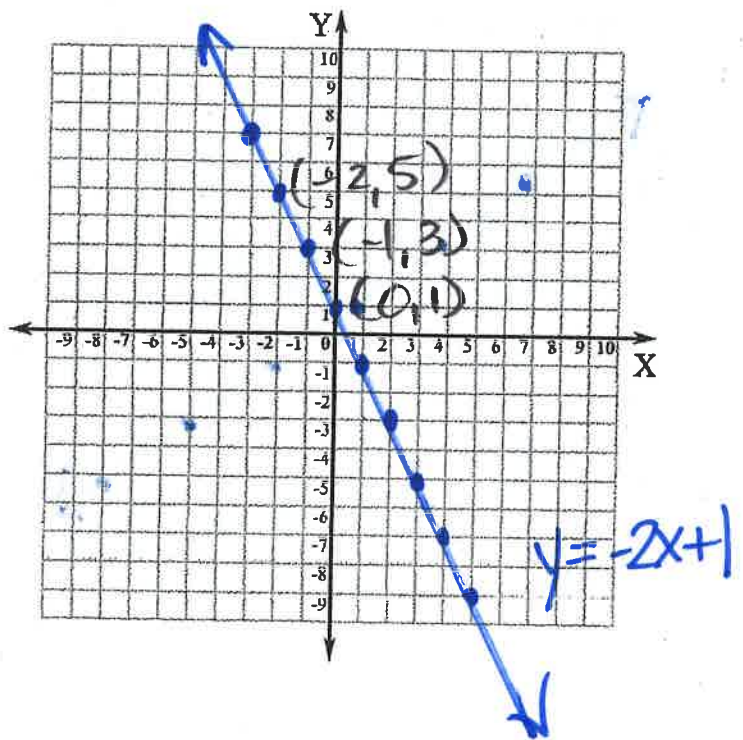
34)



36)

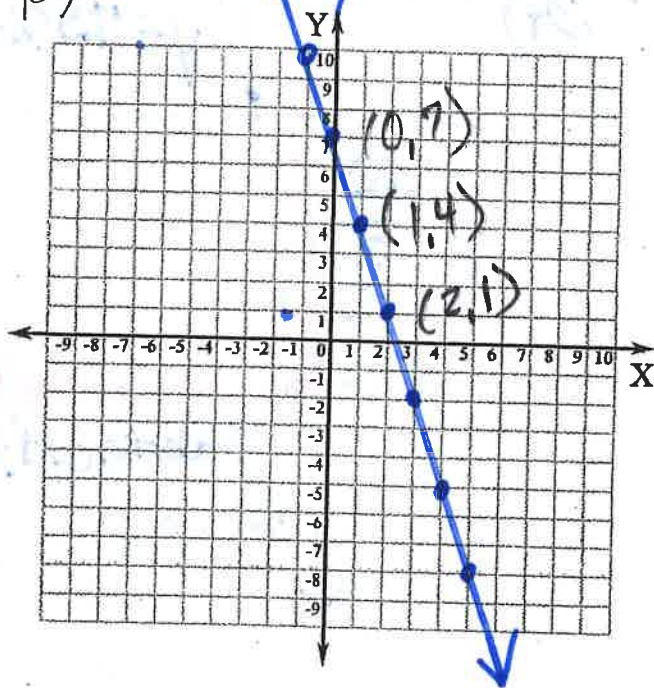


46)

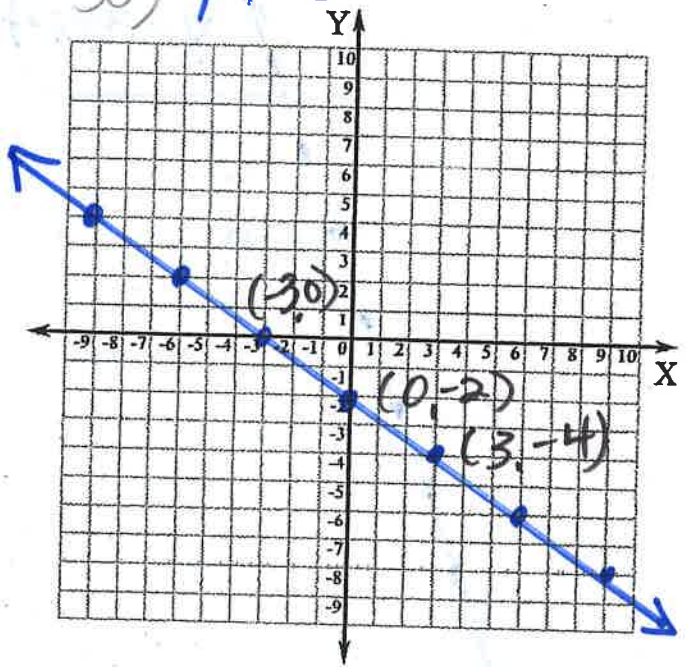


48)

$$y = -3x + 7$$



50)  $y = -\frac{2}{3}x - 2$



52)

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

