

Bathroom breaks are to be
taken before class!!

Do **NOT** move the desk!!

Turn your phone **OFF**!!

Put your phone up!!

Sit down!! Be quiet!!

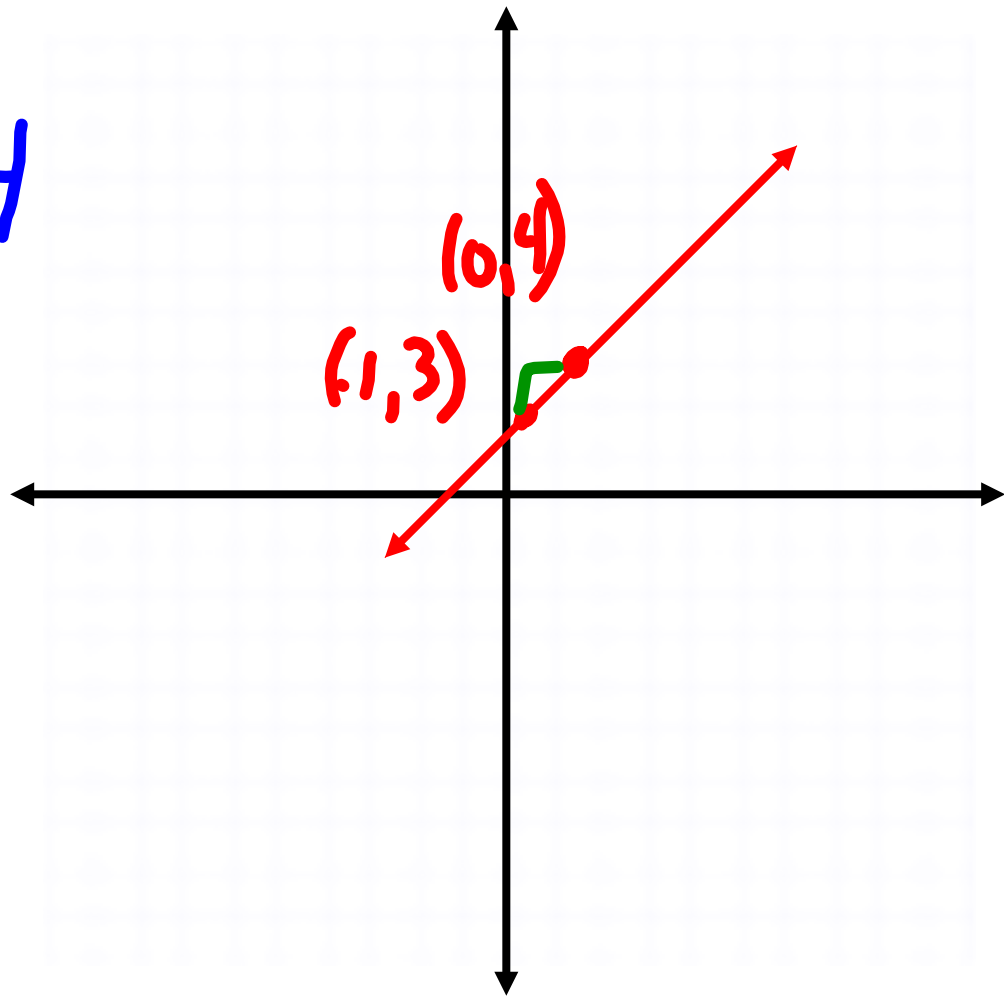
Prepare to work!!

Keep your hands to yourself!!

97) $m=1$ $b=4$

$$y = mx + b$$

$$y = x + 4$$

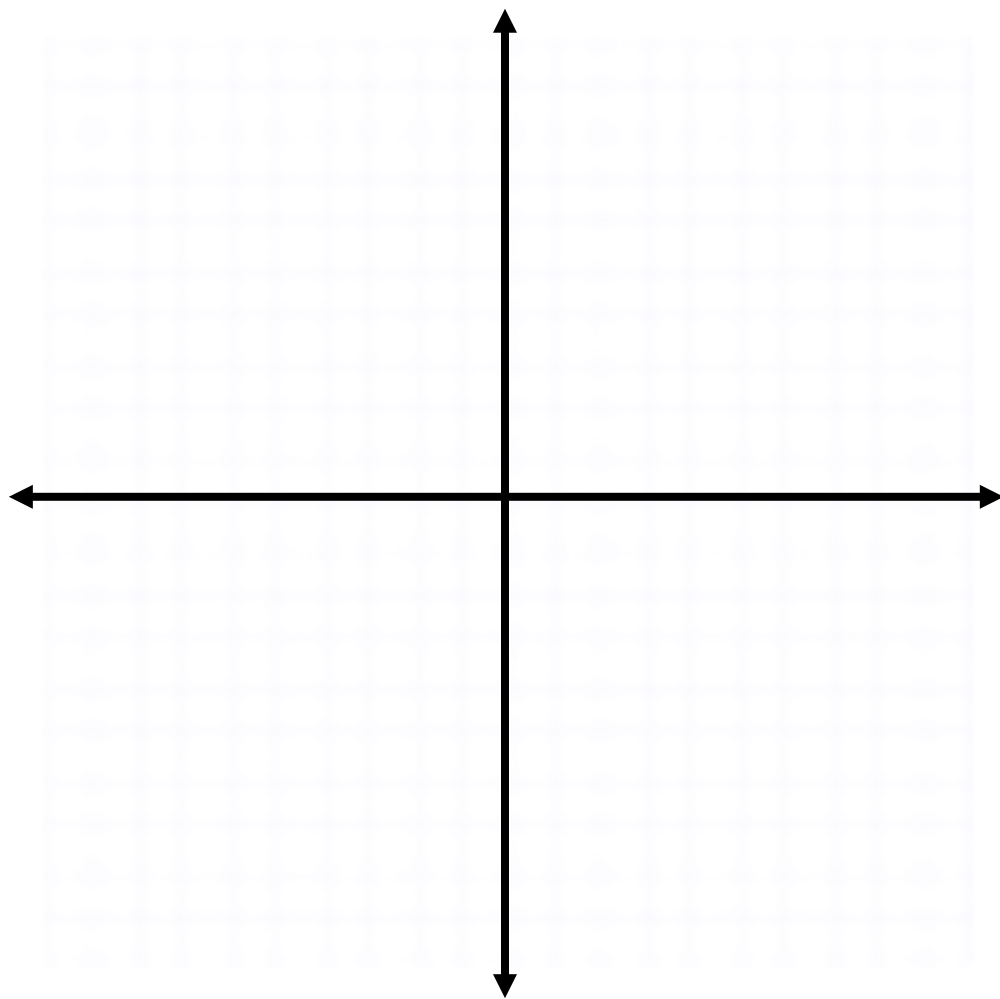


99)

	x	y	
	-2	2	-1
+2	0	<u>1</u>	-1
+2	2	0	-1
+2	4	-1	-1

$M = -\frac{1}{2}$ $b = 1$

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



$$101) \quad (7, -5) \quad m = -\frac{1}{7}$$

x_1, y_1

$$y - y_1 = m(x - x_1)$$

$$y - (-5) = -\frac{1}{7}(x - 7)$$

$$y + 5 = -\frac{1}{7}x + 1$$

$$y = -\frac{1}{7}x - 4$$

$$102) \quad \begin{array}{cc} (-9, 5) & (-3, 3) \\ x_1, y_1 & x_2, y_2 \end{array}$$

$$m = \frac{3 - 5}{-3 - (-9)} = \frac{-2}{6} = -\frac{1}{3}$$

$$y - y_1 = m(x - x_1)$$

$$y - 5 = -\frac{1}{3}(x - (-9))$$

$$y - 5 = -\frac{1}{3}x - 3$$

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

105)

	x	y
+4	-7	6
+1	-3	4
	1	2

$$m = \frac{-2}{4} = -\frac{1}{2}$$

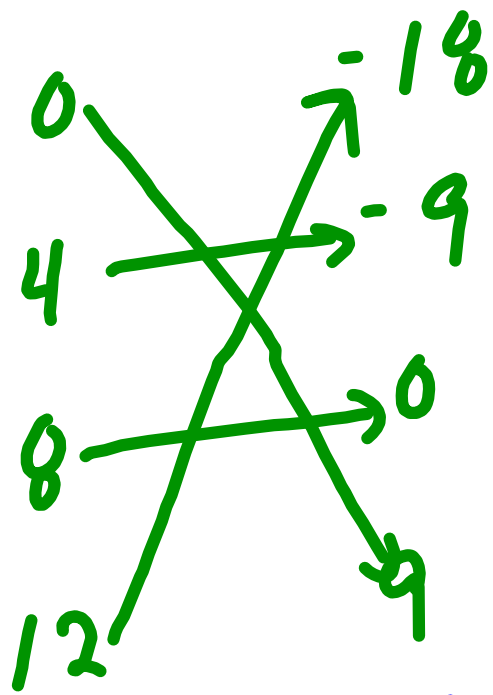
$$y - y_1 = m(x - x_1)$$

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

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

$$y = -\frac{1}{2}x + \frac{5}{2}$$

106) Input Output



$(0, 9)$ $(4, -9)$ $(8, 0)$
 $(12, -18)$

107) $(-2, 15)$

$(0, 10)$

$(0, 20)$

$(2, 5)$

$(4, 20)$

$$\text{III) } y = x - 10$$

$$\rightarrow f(x) = x - 10$$

$$\text{115) Constant } y = 3$$

$$f(x) = 3$$

116)

x	-3	0	3	6
y	3	5	7	9

+3 +3 +3
+2 +2 +2

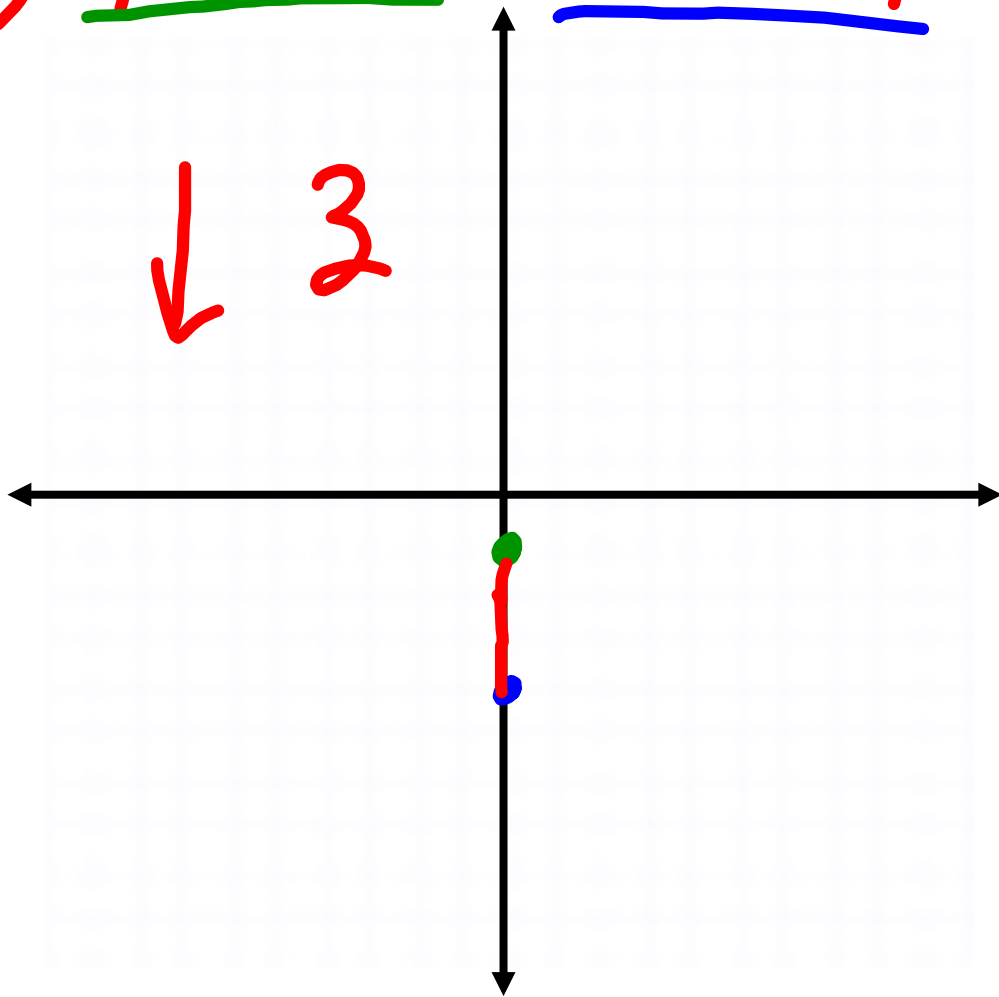
$m = \frac{2}{3}$ Increasing

$$f(x) = \frac{2}{3}x + 5$$

$$117) \underline{y_1 = 2x - 1}$$

$$y_2 = 3x - 4$$

↓ 3



$$119) 2x + 3y = 7$$

$$3y = -2x + 7$$

$$y = -\frac{2}{3}x + \frac{7}{3}$$

lineal

123)

$$m=1 \quad b=2$$

$$y = x - 2$$

