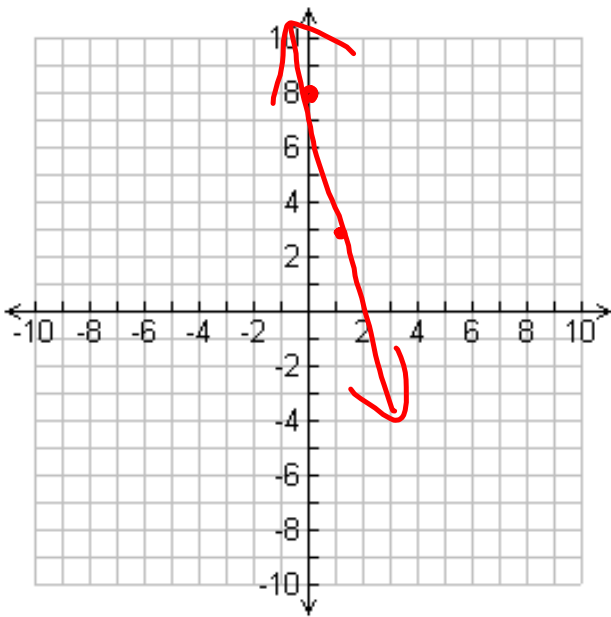
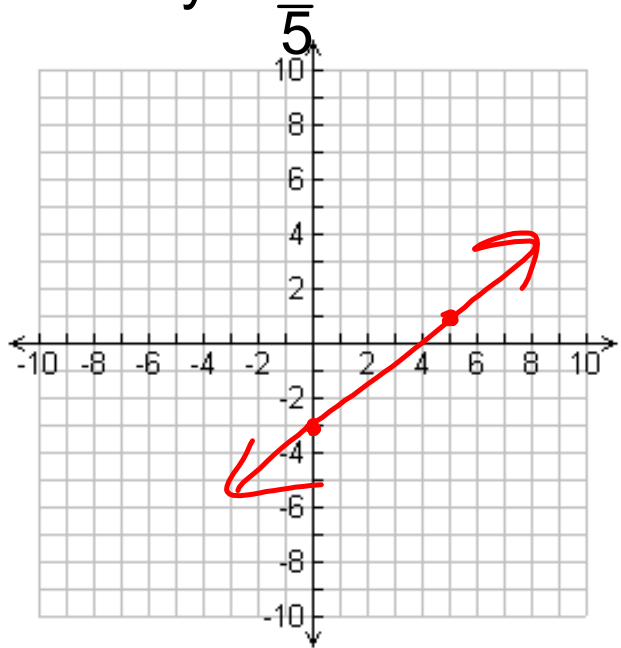


$$y = -5x + 8$$

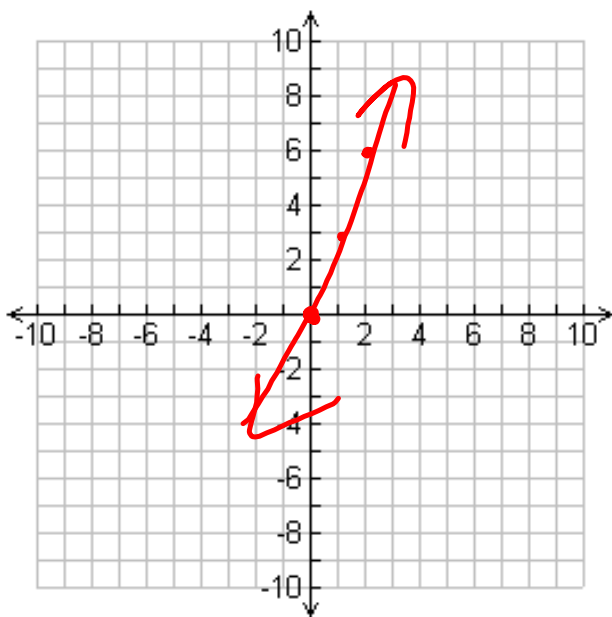


$$y = \frac{4}{5}x - 3$$



Slope: $\frac{-5}{1}$ \downarrow \rightarrow Start Slope: $\frac{4}{5}$ \uparrow \rightarrow
y-int: 8 y-int: -3

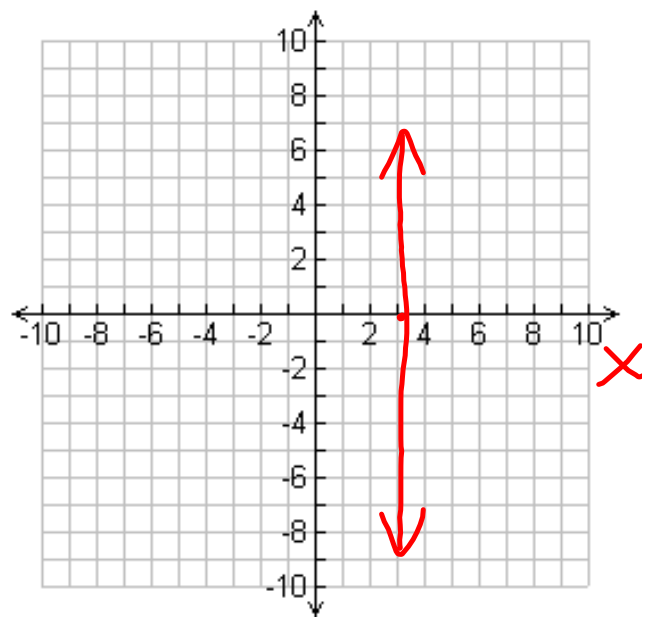
$$y = 3x + 0$$



Slope: 3/1

y-int: 0

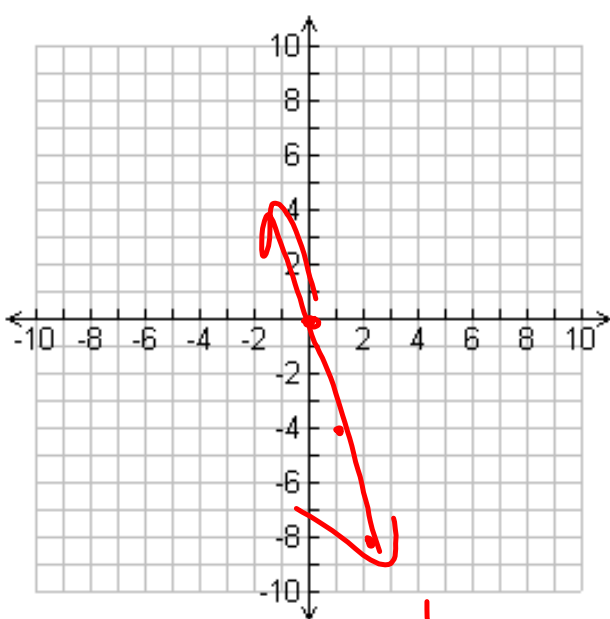
$$x = 5$$



Slope: Undefined

y-int: None

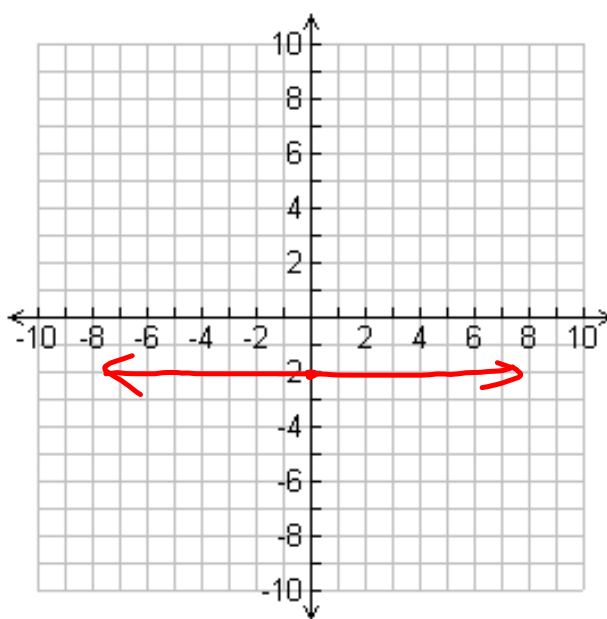
$$y = -4x + 0$$



Slope: -4/1

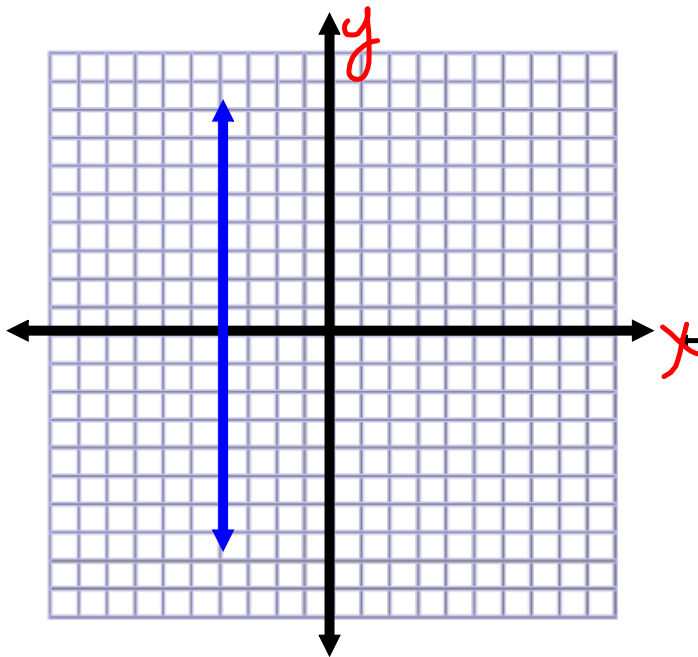
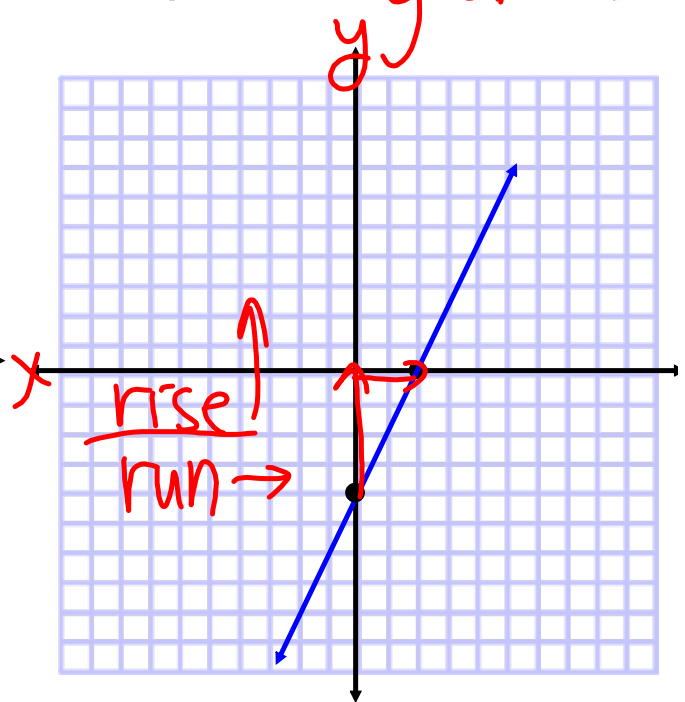
y-int: 0

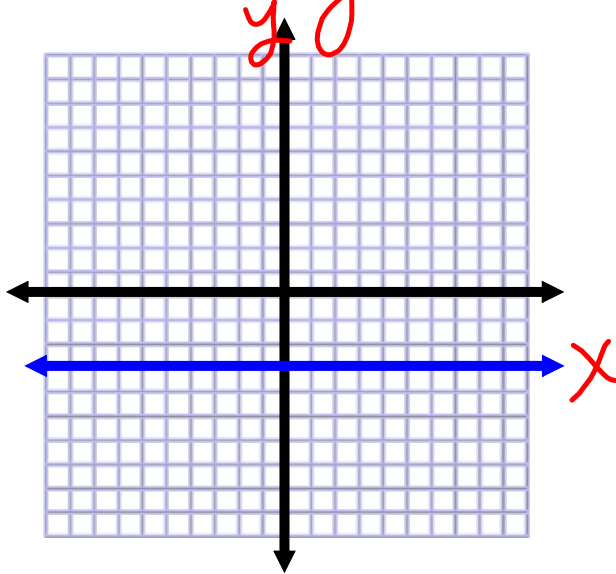
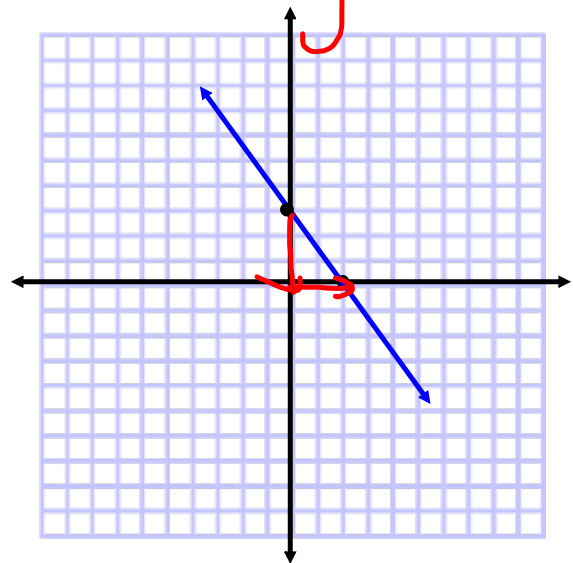
$$y = -2$$



Slope: 0

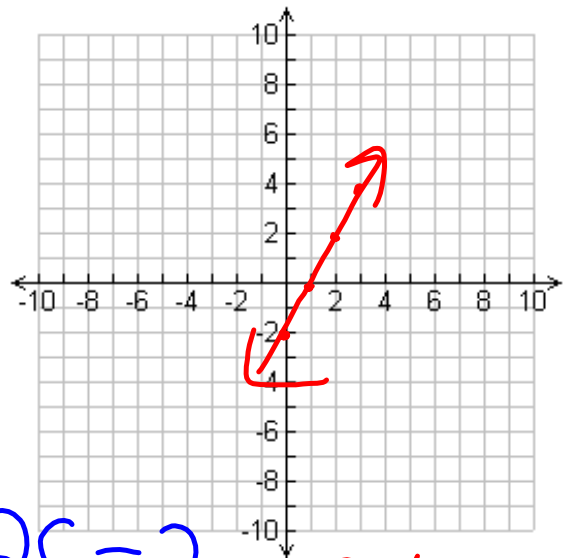
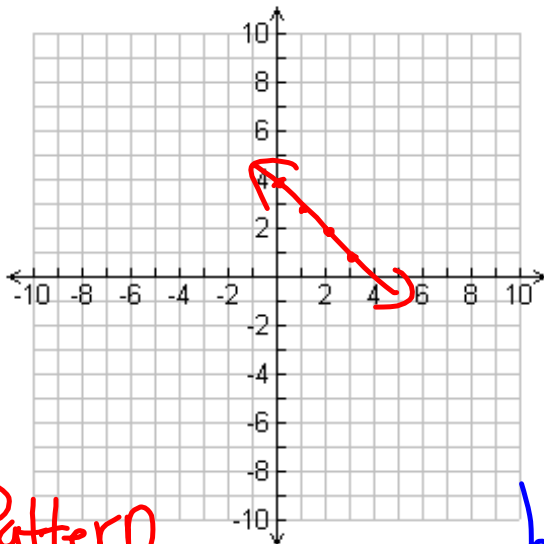
y-int: -2

Slope: Undefinedy-int: NoneEquation: $x = -4$ Slope: $\frac{4}{2} = 2$ y-int: -4 Equation: $y = 2x - 4$ 

Slope: 0y-int: -3Equation: $y = -3$ Slope: $-\frac{3}{2}$ y-int: +3Equation: $y = -\frac{3}{2}x + 3$ 

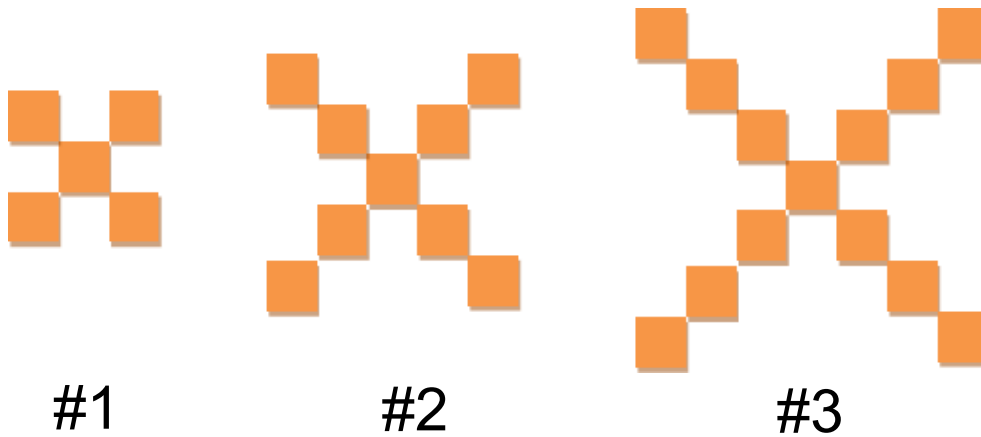
x	y
3	-1
4	0
5	-1
6	-2

c	h
5	8
6	10
7	12
8	14



Pattern
 Slope: -1/1
 Adjustment 4
 y-int: _____
 Equation: $y = -1x + 4$

$h = 2c - 2$
 Slope: 2/1
 y-int: -2
 Equation: $y = 2x - 2$



Write the equation that relates to the number of squares, n , to the figure number, f .

Figure f	x	# of Squares y n
1	1	5
2	2	9 $\leftarrow +4$
3	3	13 $\leftarrow +4$

Slope = 4
 $y - y_1 = m(x - x_1)$
 $y = 4x + 1$
 $n = 4f + 1$