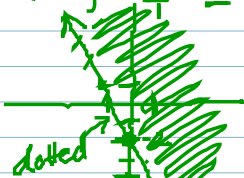


Pg 117
2.8 Graphing Inequalities

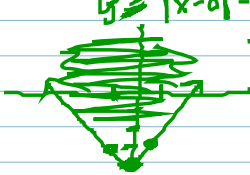
Ex: $y > -3x - 2$



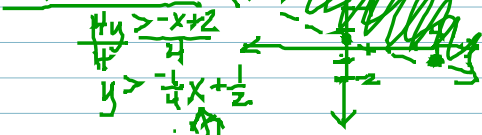
1A: $3x + 4y < 2$
 $-3x$ $-3x$
 $(2) \frac{1}{4} y < (-3x + 2) (2)$
 $y < -6x + 4$

Pg 118 $y = a(x-h)^2 + k$

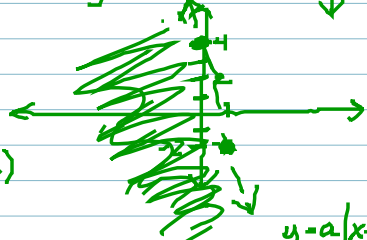
Ex#3: $y \geq |x| - 4$



Ex#1: $x + 4y > 2$
 $-x$ $-x$

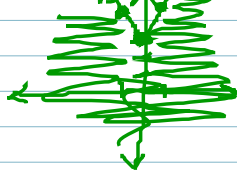


$\frac{1}{4} y > \frac{-x+2}{4}$
 $y > -\frac{1}{4}x + \frac{1}{2}$



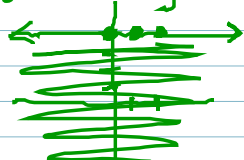
$y = a|x-h| + k$

3A $y \leq 2|x| + 3$ $y = 2|x-0| + 3$



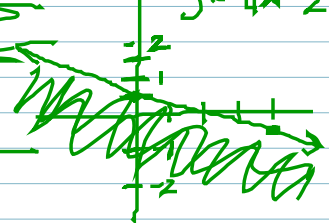
x	y
0	3
-1	5
1	5

Pg 119. #1: $y \leq 4$ $y \leq 0x + 4$ 2) $x \geq -6$ 3) $x + 4y \leq 2$
 $-x$ $-x$



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

4) $3x + y > -8$
 $-3x$ $-3x$
 $y > -3x - 8$



Pg 117
2.8 Graphing Inequalities

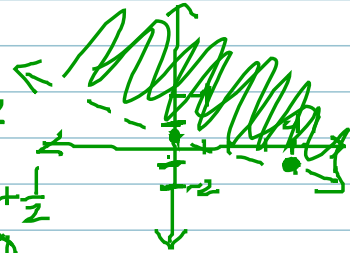
Ex: $y > -3x - 2$



Ex #1: $x + 4y > 2$

$$\frac{4y}{4} > \frac{-x+2}{4}$$

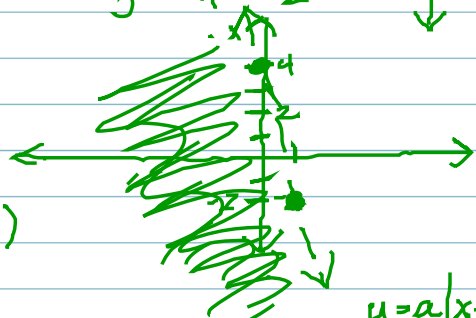
$$y > -\frac{1}{4}x + \frac{1}{2}$$



1A: $3x + \frac{1}{2}y < 2$

$$(2) \frac{1}{2}y < (-3x + 2)(2)$$

$$y < -6x + 4$$



Pg 118 $y = a(x-h)^2 + k$

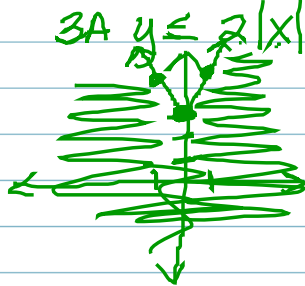
Ex #3: $y \geq |x| - 4$

x	y
0	-4
1	-3
-1	-3

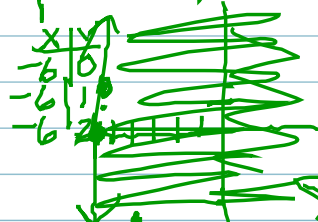
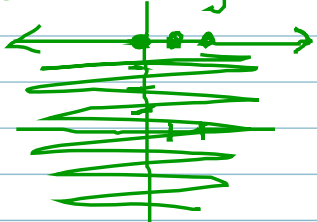


3A $y \leq 2|x| + 3$

x	y
0	3
1	5
-1	5



Pg 119, #1: $y \leq 4$ $y \leq 0x + 4$ 2) $x \geq -6$ 3) $x + 4y \leq 2$



$$\frac{4y}{4} \leq \frac{-x+2}{4}$$

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

4) $3x + y > -8$

$$y > -3x - 8$$

