

A Quick Review
On Graphing
Systems of
Linear
Inequalities

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31) $y \geq -4$

Since the equation is just y by itself you will put a point at -4 on the y-axis and then draw a horizontal line through that point

Test (0, 0)

$0 \geq -4$
True

$y < -2x + 10$

Use $y = mx + b$

$m = -2 \rightarrow \frac{-2 \text{ Rise}}{1 \text{ Run}}$

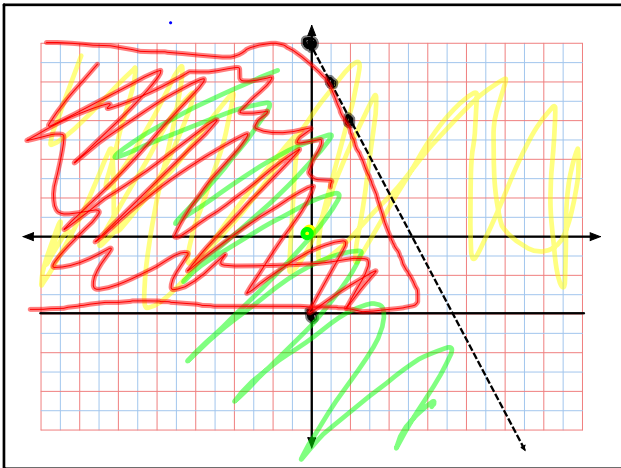
$b = 10 \rightarrow (0, 10)$

Test (0, 0)

$0 < -2(0) + 10$

$0 < 10$ True

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38) $-x < y$

$y = mx + b$

$m = -1 \rightarrow -\frac{1}{1}$

$b = 0 \rightarrow (0, 0)$

Test (1, 0)

$-1 < 0$ T

$x + 3y > 8$

x	y
0	8/3
8	0

$(0) + 3y > 8$
 $3y > 8$
 $y > 8/3$

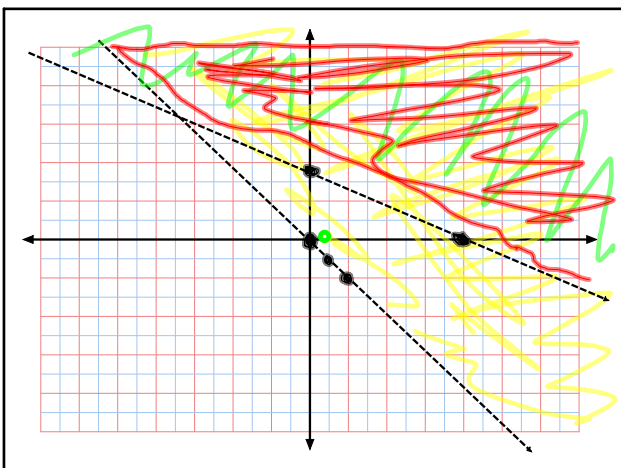
Test (1, 0)

$1 + 3(0) > 8$

$1 > 8$ F

$x + 3(0) > 8$
 $x > 8$

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