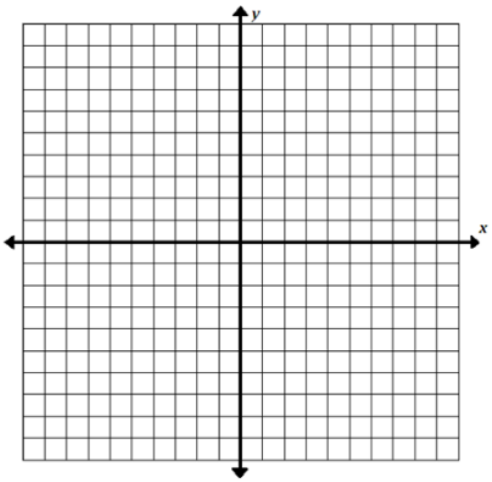
Graphing Linear Inequalities Notes

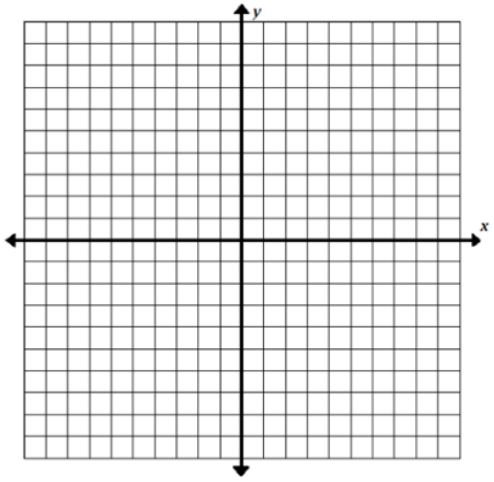
Solid Line: $\leq, \geq$

Dashed Line: $<, >$

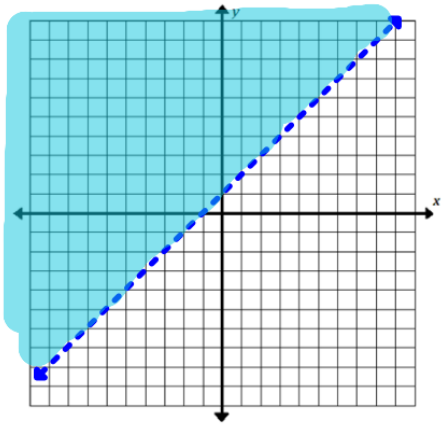
$$y \leq -2x + 4$$



$$3x - 5y \leq 10$$



$y > x + 1$



Is it a solution?

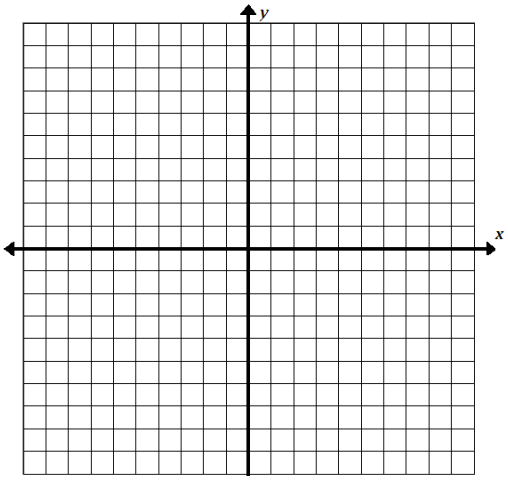
(-3, 4)

(3, 2)

Systems of Linear Inequalities Notes

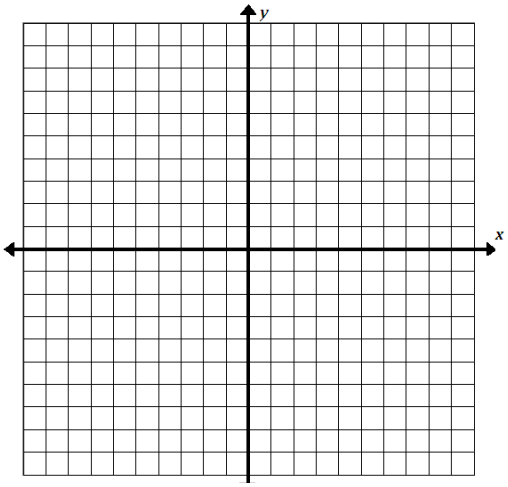
Ex: $y > 2x - 5$

$y < -\frac{3}{4}x + 3$



Ex: $y < -x + 3$

$-2x + 4y \geq 0$



Ex: $x \geq 3$

$y < -2$