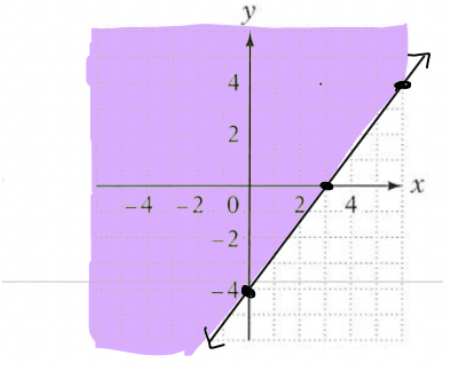
3-7 Notes

Wednesday, February 21, 2024 9:28 PM

Graph the solution set of each inequality.

2. $4x - 3y \leq 12$



$4x - 3y \leq 12$

$-4x \quad -4x$

$-3y \leq -4x + 12$

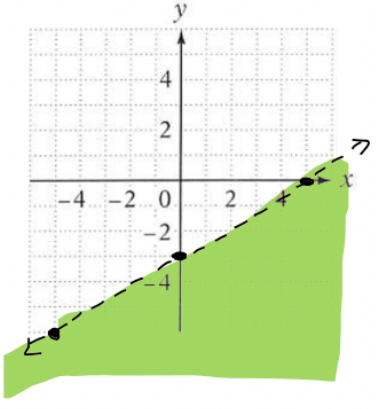
$\frac{-3y}{-3} \leq \frac{-4x}{-3} + \frac{12}{-3}$

$y \geq \frac{4}{3}x - 4$

$m = \frac{4}{3}$

$b = -4; (0, -4)$

4. $3x - 5y > 15$



$3x - 5y > 15$

$-3x \quad -3x$

$\frac{-5y}{-5} > \frac{-3x}{-5} + \frac{15}{-5}$

$y < \frac{3}{5}x - 3$

No equal, line is NOT part of the solution. Use a dotted line

$m = \frac{3}{5}$

$b = -3; (0, -3)$

14. $x + 2 \geq 0$

$-2 \quad -2$

$x \geq -2$

