BE-1B THURSDAY 10-11-07

① Solve: $2x - 4(x+2) - 6 < 0$

② Solve $\frac{3}{4}m \leq -6$

AHSGE WB

① Pg 42 # 1 ② Pg 42 # 2

How would you graph:

$y = 2x + 1$

How about:

$y \leq 2x + 1$

WHAT IS DIFFERENT ABOUT THE GRAPHS?

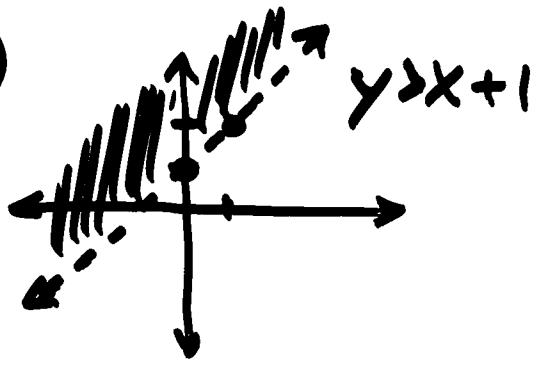
Ch. 6-6 Graphing Linear Inequalities

- If y is not already "by itself", solve for y using the GRI.
- Graph "boundary line"

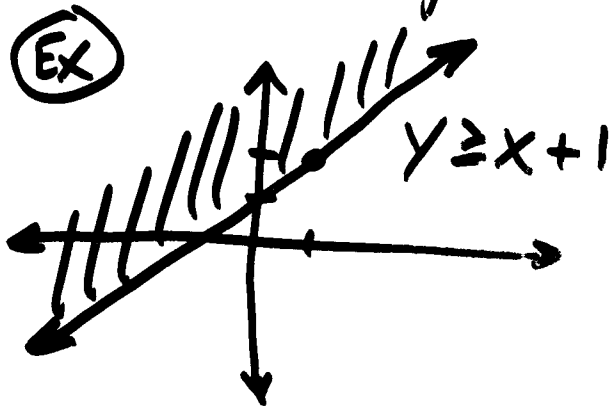
  $<$ or $>$ use - - - - - - - - -

  $\leq$ or $\geq$ use ————————
- Shade the correct half-plane

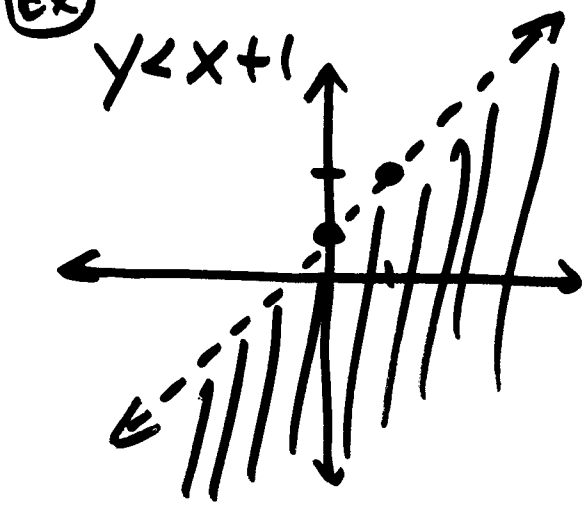
Ex $y > x+1$



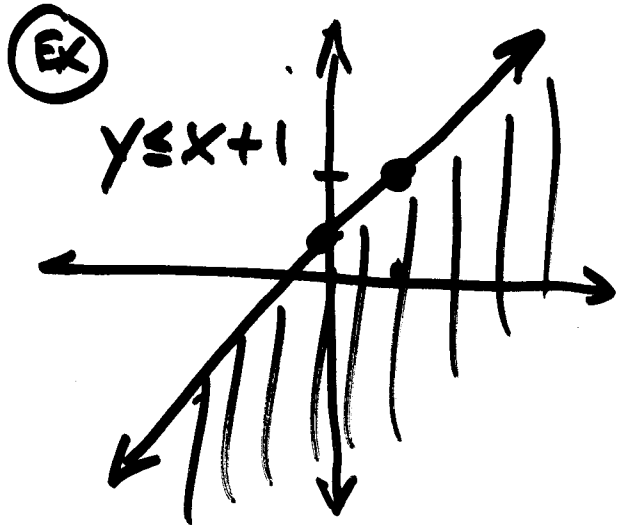
Ex $y \geq x+1$



Ex $y < x+1$



Ex $y \leq x+1$



Ex 2 Pg 353

GRAPH $y - 2x \leq -4$

$+2x \quad +2x$

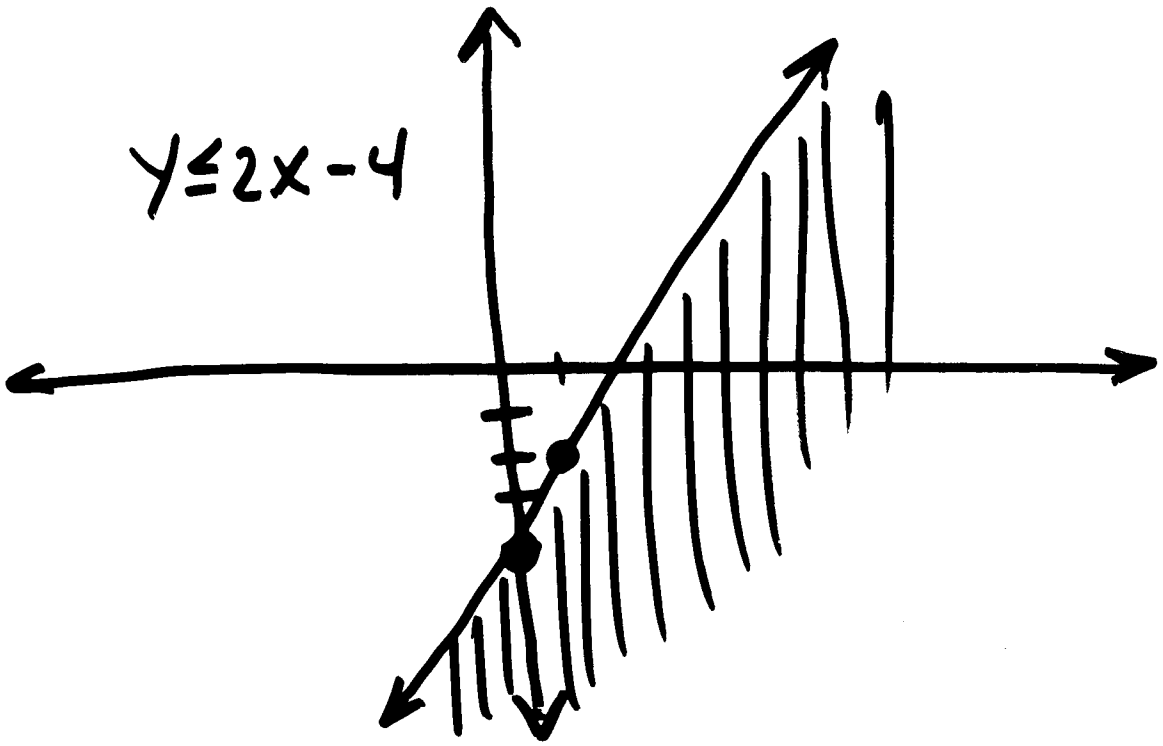
$$y \leq 2x - 4$$

boundary line

SOLID

AT $y = 2x - 4$

$y = mx + b$



test $(0,0)$ $_{x,y}$. IS IT TRUE? or FALSE?

HW
- Read Ch. 66
- page 355 # 6 to 10