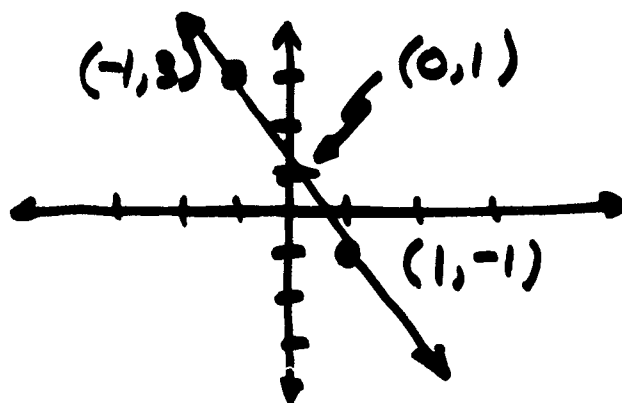


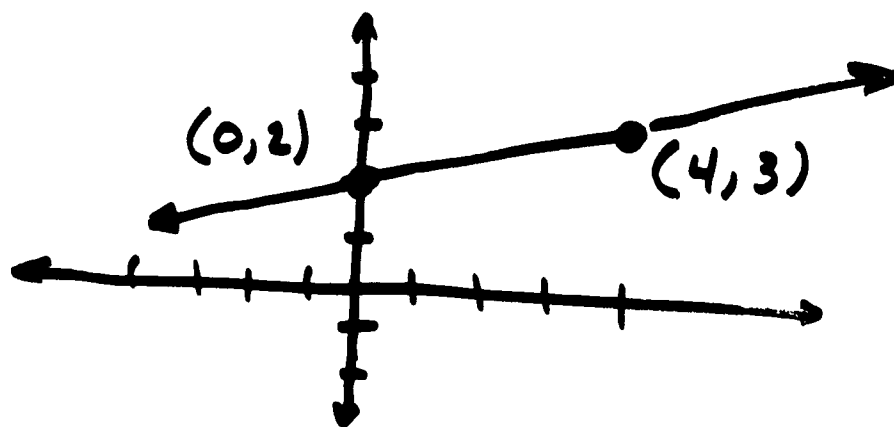
BE-1B

TUESDAY 9-18-07

① Write the EOL for:



② Write the EOL for:



TAKE OUT HOMEWORK Pg 268  
#21, #23, #29, #33, #36

ANSGEWB

① Pg 64 #4    { ② Pg 65 #7

## Ch. 5-2 Slope-Intercept Form

$$y = mx + b$$

↑  
SLOPE

↑  
Y-INTERCEPT

YOU COULD ALSO  
CALL THIS THE  
"SOLVE FOR Y" FORM

OR  
"the function form" since  $y = f(x)$

(0, b) Coordinates of  
the point where  
the line crosses  
the y-axis

- WHEN GRAPHING LINEAR EQUATIONS
- SOLVE FOR Y TO GET

$$y = mx + b$$

↑  
begin here

then move by this slope

Ex) graph  $5x - 3y = 6$

(Ex 4 Pg. 273)

When modeling real problems,  
 the slope is a rate and  
 the  $b$  is the "starting value."

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Example:

You pay \$30 to join a movie rental club and 6 dollars per month.

$C = \text{cost}$

$M = \text{months}$

$$C = 6M + 30$$

↑  
rate

↑  
starting cost

## Group Practice:

Pg. 275 # 15, 17, 19, 21, 23,  
25, 27, 29, 41

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## Homework:

Pg 275 # 14 to 28 even  
# 40, 42

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