



Slope-Intercept Form Worksheet- Name: _____

Review - Unit 3 lessons 5 & 6

1) Find the slope of the line through each pair of points.

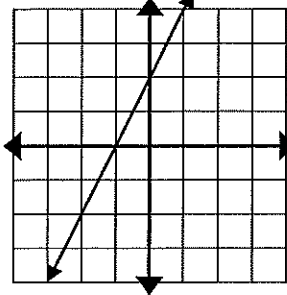
$$\text{Slope} = \frac{y_2 - y_1}{x_2 - x_1}$$

a. (8, -7) and (5, -3).

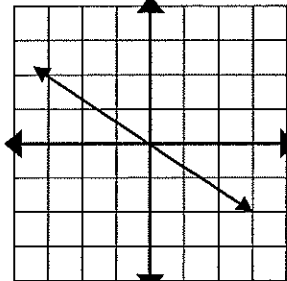
b. (-5, 9) and (5, 11).

c. (-8, -4) and (-4, -9).

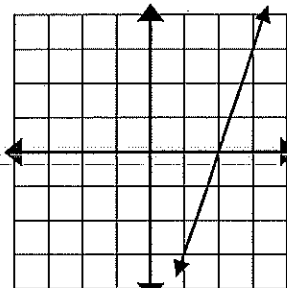
2) For each graph: Write the equation of the line in SLOPE-INTERCEPT FORM



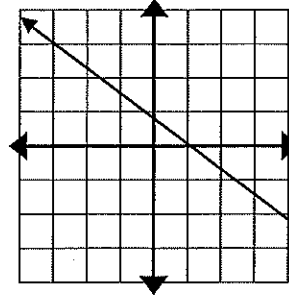
m = _____ b = _____



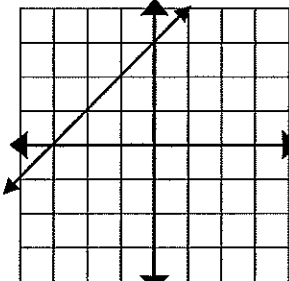
m = _____ b = _____



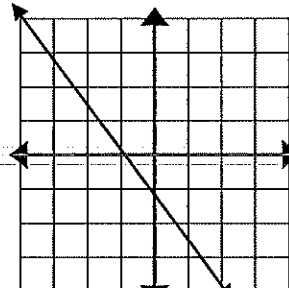
m = _____ b = _____



m = _____ b = _____



m = _____ b = _____



m = _____ b = _____

3) In each linear equation, identify the slope (m) and the y-intercept (b)

a. $y = 4x - 5$

b. $y = \frac{2}{3}x - x$

c. $y = \frac{5}{2}x - \frac{19}{8}$

m = _____ b = _____

m = _____ b = _____

m = _____ b = _____

d. $y = 11 + \frac{2}{3}x$

e. $2x + y = 8$

f. $y - 4x = -2$

m = _____ b = _____

m = _____ b = _____

m = _____ b = _____

4) Find the equation of the line in slope-intercept form ($y = mx + b$)

a. $m = 2$ and $b = -7$

c. $m = -5$ and $b = 0$

b. $b = 4$ and $m = -5$

d. $m = 4/5$ and $b = -2$

5) Graph the line for each equation:

5a) $y = \frac{3}{4}x - 3$

Slope = _____

Y-Intercept = _____

5b) $y = 4 - \frac{5}{3}x$

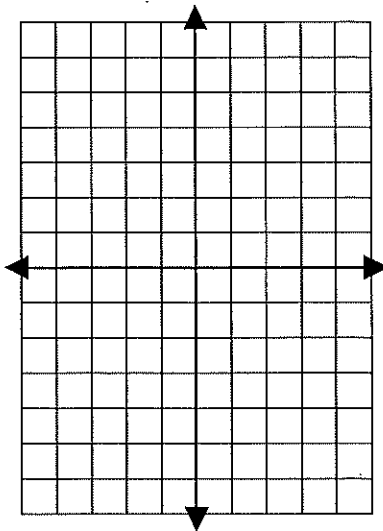
Slope = _____

Y-Intercept = _____

5c) $2x + y = -2$

Slope = _____

Y-Intercept = _____



DO NOT WRITE ON!