

# 0A Intro Slope-Intercept Form

Name \_\_\_\_\_ Per: \_\_\_\_\_

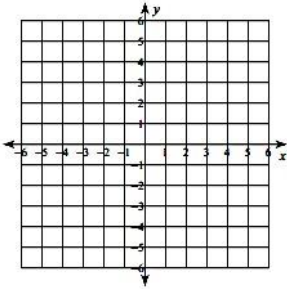
NO WORK, NO CREDIT. PENCIL ONLY.

Due: August 22<sup>nd</sup>/August 23<sup>rd</sup>

1.  $y = mx + b$  What does the  $m$  represent? \_\_\_\_\_ What does the  $b$  represent? \_\_\_\_\_

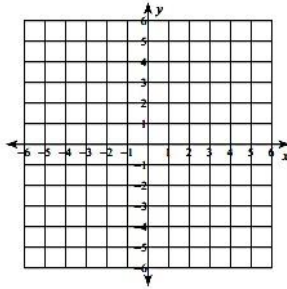
Sketch the graph of each line, and give the requested information.

2.  $y = -\frac{3}{2}x + 6$



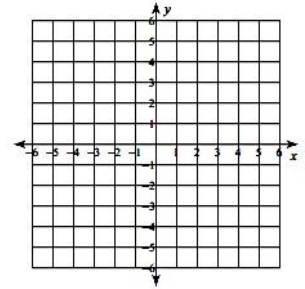
Rise: \_\_\_\_\_ Run: \_\_\_\_\_  
 Slope: \_\_\_\_\_  
 y-intercept: (0, \_\_\_\_\_)  
 x-intercept: (\_\_\_\_\_, 0)

3.  $y + 9x = 3$



Rise: \_\_\_\_\_ Run: \_\_\_\_\_  
 Slope: \_\_\_\_\_  
 y-intercept: \_\_\_\_\_  
 x-intercept: \_\_\_\_\_

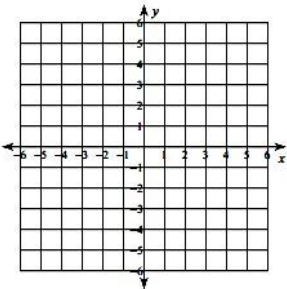
4.  $2x - y = 4$



Rise: \_\_\_\_\_ Run: \_\_\_\_\_  
 Slope: \_\_\_\_\_  
 y-intercept: \_\_\_\_\_  
 x-intercept: \_\_\_\_\_

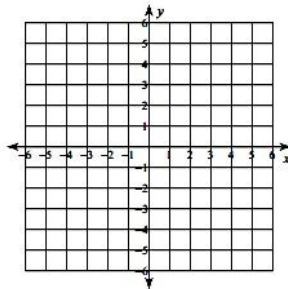
Sketch the graph from the following information and write the equation of the line.

5.  $A(-3, -4)$  and  $B(2, 6)$



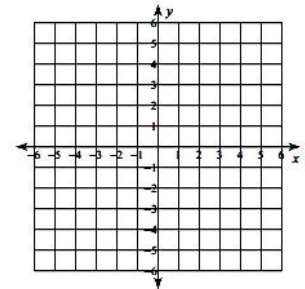
Rise: \_\_\_\_\_ Run: \_\_\_\_\_  
 Equation: \_\_\_\_\_

6.  $(5, 0)$  and  $b = (0, 3)$



Rise: \_\_\_\_\_ Run: \_\_\_\_\_  
 Equation: \_\_\_\_\_

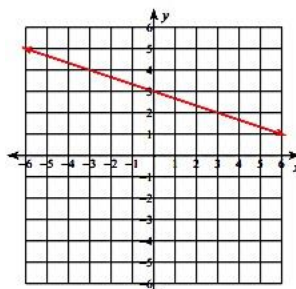
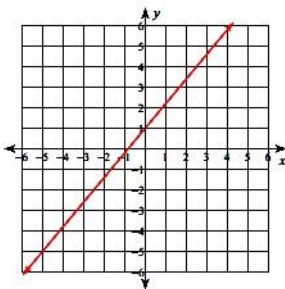
7.  $m = \frac{1}{2}$  and  $(2, 6)$



Rise: \_\_\_\_\_ Run: \_\_\_\_\_  
 Equation: \_\_\_\_\_

Mark the rise and run on the graph or change in change  $y$  and change in  $x$  from table below and then write the equation of the line.

8. Equation: \_\_\_\_\_ 9. Equation: \_\_\_\_\_ 10. Equation: \_\_\_\_\_



X	Y
0	5
1	8
2	11

11. Grandma opens a savings account and deposits \$50 when Sara is born. Every year, on her birthday, Grandma deposits \$20 more. Write an equation to tell how much money Sara will have in any given year.