LESSON 15: Deriving the Equation of a Line

Homework

Name _____   Date _____

Identify the slope and *y*-intercept of the lines provided.

1. $y = 3x + 2$	2. $y = \frac{3}{4}x - 6$	**3.** $y = {}^-x + 1$	**4.** $x = 7$

Write the equation of the line containing the given slope and *y*-intercept.

5. $m = {}^-8, b = 9$	**6.** $m = 0, b = 3$	**7.** $m = \frac{5}{6}, b = 7$	**8.** $m = {}^-4, b = 12$

9. Graph the line of the following equation.	**10.** Identify the equation of the line plotted below.
$$y = \frac{1}{5}x + 2$$ $$m =$$ $$b =$$	$$m =$$ $$b =$$ Equation: