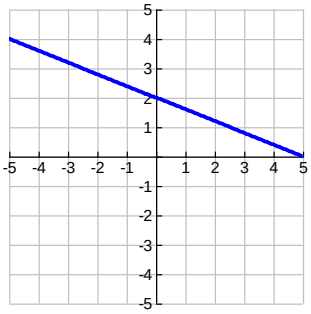
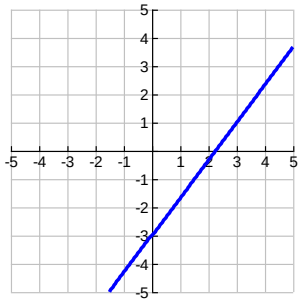
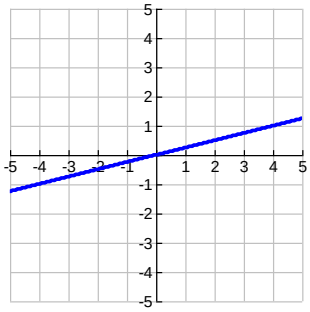
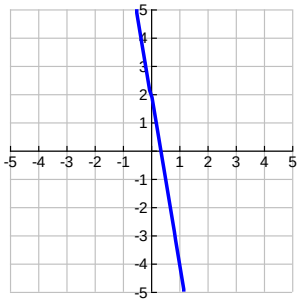
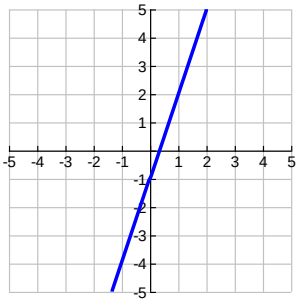
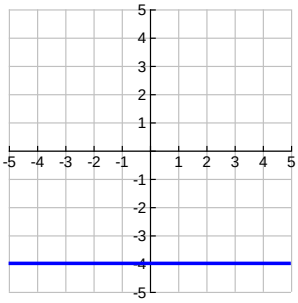
Algebra 0507
Chapter 6
WS #3 **Name**_____

The slope and the y-intercept are given. Write the equation of the line in slope-intercept form.

1. slope = 2 y – intercept = 1	2. slope = $\frac{2}{3}$ y – intercept = - 2	3. slope = $-\frac{3}{8}$ y – intercept = $-\frac{1}{2}$
4. slope = 5 y – intercept = $-\frac{1}{2}$	5. m = - 6 b = 7	6. m = $-\frac{3}{5}$ b = 10

Find the slope and the y-intercept. Write the equation of the line in slope-intercept form.

7.  Slope: m = _____ y-intercept: b = _____ Slope-Intercept Form: _____	8.  Slope: m = _____ y-intercept: b = _____ Slope-Intercept Form: _____	9.  Slope: m = _____ y-intercept: b = _____ Slope-Intercept Form: _____

10.	11.	12.
		
Slope: m = _____	Slope: m = _____	Slope: m = _____
y-intercept: b = _____	y-intercept: b = _____	y-intercept: b = _____
Slope-Intercept Form: _____	Slope-Intercept Form: _____	Slope-Intercept Form: _____

13. Write the equation of the line that has -3 as the y – intercept and is parallel to the defined by $2y - x = 8$.

14. Write the equation of the line that has the same slope as the graph of $2x + 3y = 9$ And the same y- intercept as the graph of the equation $4y - 2x = 4$.

15. Write the equation of the line that has -3 as the y – intercept and is parallel to the defined by $-3x + 2y = 4$.