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

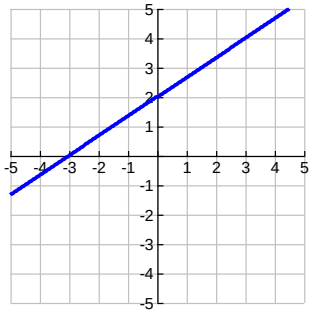
Writing Equations of Lines
Slope-Intercept Form

You need 2 things: **1.**_____

2._____

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

1.

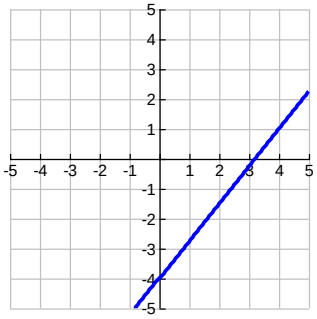


Slope: m = _____

y-intercept: b = _____

Slope-Intercept Form:
_____

2.

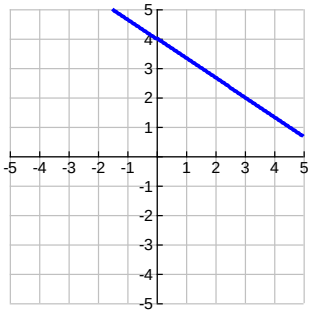


Slope: m = _____

y-intercept: b = _____

Slope-Intercept Form:
_____

3.

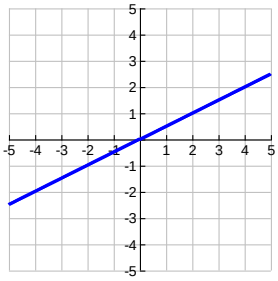


Slope: m = _____

y-intercept: b = _____

Slope-Intercept Form:
_____

4.

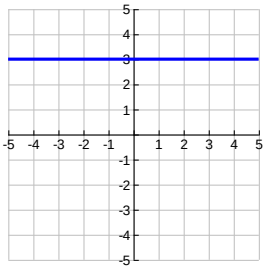


Slope: m = _____

y-intercept: b = _____

Slope-Intercept Form:
_____

5.

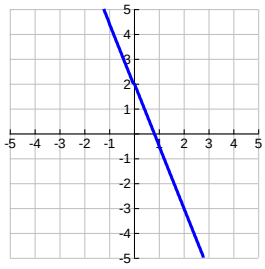


Slope: m = _____

y-intercept: b = _____

Slope-Intercept Form:
_____

6.



Slope: m = _____

y-intercept: b = _____

Slope-Intercept Form:
_____

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

7. slope = 3 y – intercept = 4	8. slope = $\frac{1}{2}$ y – intercept = - 3	9. slope = - 4 y – intercept = $\frac{2}{3}$
10. slope = 0 y – intercept = $-\frac{2}{5}$	11. slope = - 6 y – intercept = 0	12. slope = $\frac{3}{4}$ y – intercept = 5

13. Write the equation of the line that has 4 as the y – intercept and is *parallel* to the line $3y-2x=6$.

14. Write the equation of the line that has the same slope as the graph of $4x+5y=6$
And the same y- intercept as the graph of the equation $-3x-2y=4$.