Algebra 0507
Chapter 6
Intro to WS #4   Name_____

Writing Linear Equations
Given a Point and Slope

In order to write the equation of a line in slope-intercept form, you need 2 things:

1._____

2._____

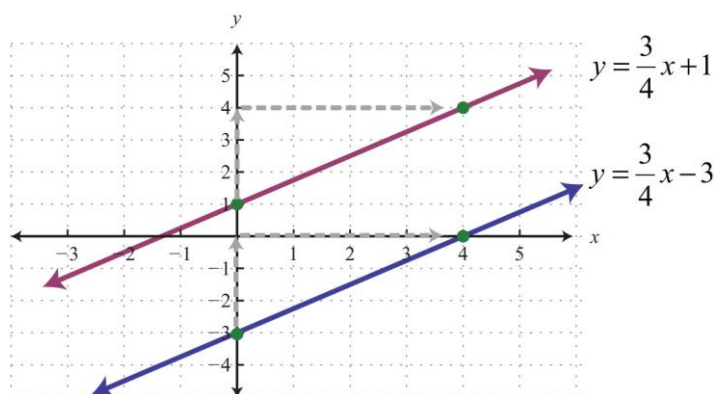**Write the equation of the line in slope-intercept form given the slope and a point on the line.**

1. $m = 4$, point $(\,0\,,2\,)$	**2.** $m = 3$, point $(\,-1, 2\,)$
3. $m = \dfrac{1}{2}$, point $(\,4\,,6\,)$	**4.** $m = -2$, point $(\,-3\,,1\,)$

Parallel Lines

$y = \dfrac{3}{4}x + 1$

$y = \dfrac{3}{4}x - 3$

5. Write the equation of the line that passes through the point $(0 , 5)$ and is parallel to the line $3x - 2y = 8$.

6. Write the equation of the line that passes through the point $(3 , 4)$ and is parallel to the line $-y + 2x = 3$.