

Algebra 0507
Chapter 6
Intro to WS #6

Name _____

Writing Equation of Line in Slope-Intercept Form
Given 2 Points

1. _____

2. _____

Write an equation in slope-intercept form for the line going through the given points.

1. (1 , 1) , (2 , 3)

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

2. (0 , 7) , (-1 , -2)

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

3. (-3 , -4) , (-5 , -6)

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

4. x- intercept: -3 ; y – intercept: 1

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

2 Special Cases

Horizontal Line

Slope = _____

Equation: _____

1. $(-4, 5), (2, 5)$

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

2. $(7, -2), (-1, -2)$

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

Vertical Line

Slope = _____

Equation: _____

1. $(3, -2), (3, 4)$

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

2. $(-1, 7), (-1, -3)$

$m = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

