Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_

**Chapter 2, Section 6 Notes**

***Writing Equations in Point-Slope Form***

**Today’s Learning Goal:** *At the end of today’s lesson, you should be able to write a linear equation in point-slope form.*

A linear equation written in **point-slope form** is written in the form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The line passes through the point \_\_\_\_\_\_\_\_\_ and the slope of the line is \_\_\_\_\_\_\_\_\_.

**Part 1: *Writing an equation using a Slope and a Point***

Write in point-slope form AND slope-intercept form an equation passing through each point with the given slope:

1. (-6, 1) m = 2/3 B) (1, 2) m = -4

C) (7, 0) m = 1

**Part 2: *Writing an equation using Two Points***

Write in point-slope form AND slope-intercept form an equation of the line that passes through two points:

1. (2, 4) (5, -2) B) (-2, 1) (3, -4)

C) (-5, -5) (-3, 3)

**Progress Monitoring:** *How do you feel about your level of understanding of writing linear equations in point-slope form?* (Rate yourself from 0 (don’t understand at all) to 10 (doing awesome))

