**ALGEBRA**

**SECTION 6.4**

**POINT-SLOPE FORM**



*x* & *y* 🡪

*x*1 & *y*1 🡪

*m* 🡪

**I. Write an Equation in Point-slope form.**

 m = ½ (2, 3)

 m = -4 (-2, 1)

**II. Graphing an Equation in Point-slope form**

Graph 

Step 1:

Step 2:

Step 3:

Graph 

**III. Writing an Equation given Two Points**

Given the points (-1, 4) & (2, 3), write the equation of the line in:

 A. Point slope form

 B. Slope intercept form

Step 1:

Step 2:

Step 3:

(2, 5) (-4, -3) Point-slope form:

 Slope-intercept form:

**IV. Writing an Equation from a Table of Values**

Using the table below, write the equation of the line in:

 A. Point-slope form

 B. Slope-intercept form

 C. Standard Form

|  |  |
| --- | --- |
| *x* | *y* |
| 3 | 6 |
| 2 | 4 |
| -1 | -2 |
| -3 | -6 |

Assignment: