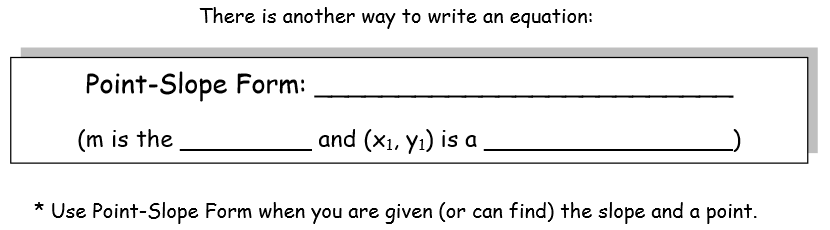
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_

**4.7A Point-Slope Form\_Classwork**

*Objective: write equations of lines using a slope and a point; write equations of lines using two points. CC.SS.8.F.4*

*HW: 4.7A worksheet*



***Graph each of the following lines by first giving the point and the slope.***

|  |  |
| --- | --- |
| 1.  Point \_\_\_\_\_\_\_\_\_\_\_ Slope \_\_\_\_\_\_\_\_\_\_\_  Image result for graph | 2.  Point \_\_\_\_\_\_\_\_\_\_\_ Slope \_\_\_\_\_\_\_\_\_\_\_  Image result for graph |
| 3.  Point \_\_\_\_\_\_\_\_\_\_\_ Slope \_\_\_\_\_\_\_\_\_\_\_  Image result for graph | 4.  Point \_\_\_\_\_\_\_\_\_\_\_ Slope \_\_\_\_\_\_\_\_\_\_\_    Image result for graph |
| 1. Write an equation in point-slope form of the line that passes through the point (1, 2) and has a slope of 4. | |
| 1. Write an equation in point-slope form of the line that passes through the point (-7, 3) and has m = ½. | |
| 1. Write an equation in point-slope form of the line that passes through the point (-2, -5) and (0, -3). | |

|  |  |
| --- | --- |
| 1. Write an equation in point-slope form   Step 1: Identify one point on line: \_\_\_\_\_  Step 2: Calculate slope: \_\_\_\_\_\_\_\_\_\_\_\_\_  Step 3: Write equation: \_\_\_\_\_\_\_\_\_\_\_\_\_  Image result for linear function | 1. Write an equation in point-slope form   Step 1: Identify one point on line: \_\_\_\_\_  Step 2: Calculate slope: \_\_\_\_\_\_\_\_\_\_\_\_\_  Step 3: Write equation: \_\_\_\_\_\_\_\_\_\_\_\_\_  Image result for linear function |