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

**4.1B Graphing Horizontal and Vertical Lines\_Classwork**

*Objective: Graph linear equations using a point and a slope; graph linear equation using two points.*

*(CCSS: 8.EE.5)*

*HW: textbook- 4.1B pg 146\_#1-4, #10-17*

DIRECTION: If not given, state whether the line has a slope of Zero or Undefined. Also, state whether it is a Horizontal or a vertical line. Graph the line.

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| EXAMPLE 1: (7, 8) and (1,8)    Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | EXAMPLE 2: (6, 2) and m = 0    Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | EXAMPLE 3: (-2, -3) and undefined    Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. (4, -1) and (4, 4)     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (6, 4) and (3, 4)     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (-5, 6) and (-5, -9)     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. (-2, -5) and slope = 0     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (-4, 5) and (4, 5)     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (-2, 0) and slope = 0     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. (2, -5) and m = undefined     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (2, 5) and m = 0   Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (3, -1) and (3, -4)     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. (5, -3) and slope = zero     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (5, 8) and (-2, 8)     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. (-6, -6) and undefined     Type of slope: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Type of line: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |