**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_\_\_**

**U5 HW #1** *Linear Equations*

1. Write the slope formula: Write the formula we use for the

equation of a line:

**Directions:** Identify the slope (m) and y-intercept (b) for the following problems.

**2.**  **3.**  **4.**

*m = m = m =*

*b = b = b =*

**5.**  **6.**  **7.**

*m = m = m =*

*b = b = b =*

**8.**  **9.**  **10.**

*m = m = m =*

*b = b = b =*

**11.**  12**.**  **13.**

*m = m = m =*

*b = b = b =*

**14.**  15**.**  **16.**

*m = m = m =*

*b = b = b =*

**Directions:** Sketch the graph of each.

**17.** **18.**



**19.**  **20.**

****

|  |  |
| --- | --- |
|  |  |
|  |  |

**Directions: Find, Fix, and Justify**. Find the error each student made in their graphing below. Describe the error in words. Fix the error on the graph with a colored pencil.

|  |  |
| --- | --- |
| 1. Lani was asked to graph the line . Lani graphed the line and made a common error. |  |
| 1. Janeen was asked to graph the line . Janeen graphed the line and made a common error. |  |
| 1. Zach was asked to graph the line . Zach graphed the line and made a common error. |  |