**Additional Practice with Horizontal and Vertical Lines**

The graph of the line *y=b* is a **horizontal line**. The slope is 0.

The graph of the line *x=a* is a **vertical line**. The slope is undefined.

1. Sketch the graphs of the following:
2.  b. 

 

What is the slope? What is the slope?

Is this a vertical or horizontal line? Is this a vertical or horizontal line?

1. Tell which of the following equations will have graphs of horizontal lines, vertical lines or neither. (You can write H, V or N next to each part.)
2. \_\_\_\_ b.  \_\_\_\_ c. \_\_\_\_
3. A line with slope zero\_\_\_\_\_ e. A line with undefined slope\_\_\_\_\_\_

f. A line with slope one\_\_\_\_\_\_\_\_ g. A line through the points (0,3) and (2,3)\_\_\_\_\_

h. A line through the points (-2, 4) and (-2, 5)\_\_\_\_\_

1. Use the slope formula to find the slope between the two points. Graph the points. Connect them with a line. Find an equation of a line through the points.
2. ( 3,6) and (2,6) b. (6,3) and (6,2)

 Slope = Slope =

 

Equation of the line: Equation of the line:

1. (-5, -4) and (-5, 7) d. (-9, 0) and (8, 0)

 Slope = Slope =

 

Equation of the line: Equation of the line: