Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra 1B 2nd Quarter Review

You may use your Interactive Notebook (INB) for any of these problems and those on the test. You will also be allowed to use your review on the test.

**Inequalities**

Write the sentence as an inequality. (1 point each)

1. A number *n* plus 7 is less than or equal to 9.

Graph the Inequalities (1 point)

$$2. s<|1|$$

Solve and graph the Inequality (1 point for showing your work, 1 point for the correct answer, 1 point for the correct graph)

$$3. 9+w>7$$

Solve and graph the Inequality (2 points for showing your work, 1 point for the correct answer, 1 point for the correct graph).

$$4. 5x-12\leq 3x-4$$

**Parts of a Coordinate Plane**

Label the following on the coordinate plane :(1 point each)

1. X-axis
2. Y-axis
3. All quadrants
4. 14.(4, 2)
5. 15.(-3, 5)



**Functions:**

Is this a Functions? Label yes or no. (1 point)

1. \_\_\_\_\_\_\_\_\_\_\_\_ Input Output

2

3

4

0

1

2

Graph the linear equations. (3 points each)

$$11. p\left(x\right)=4x$$



$$12. f\left(x\right)=3-6x$$



**Slope**

Identify the slope as positive, negative, zero, or undefined from each graph. (1 point each)

13 . \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Calculate the rise and run to find the slope of each line. Find both intercepts. Write the equation. (5 points each.)

15.



Slope: \_\_\_\_\_\_\_\_

X int: \_\_\_\_\_\_\_\_

Y int: \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16.



Slope: \_\_\_\_\_\_\_\_

X int: \_\_\_\_\_\_\_\_

Y int: \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_