Block Algebra1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Order of Operations Assignment

**Directions:** Use the order of operations to simplify each expression. Show work (steps) for credit.

1. 16 – (10 + 5) 3 2. 5 22 + 32 3. 23 + 3(5-2)2

4. 24 2 – 3 4 5. 6.

7. 8.

**Directions:** Evaluate and simplify.

Let a = 4 and b = -10

9. 5a + 8b 10. -2(3a + 6b) 11.

Let x = 0.5 and y = 2

12. 13. 6x – y 14. 12(xy – 3)

\*\*Answer self-reflection questions on the back\*\*

On a scale of 1-4 (1 being the least, 4 being the most), rate yourself on each of the following statements:

My effort during this lesson in class \_\_\_\_\_\_\_

My effort on this assignment \_\_\_\_\_\_\_

My understanding of order of operations \_\_\_\_\_\_\_\_

My understanding of substituting and evaluating \_\_\_\_\_\_\_\_\_

My confidence level of how successful I can be with order of operations \_\_\_\_\_\_\_

My teachers’ explanation of order of operations \_\_\_\_\_\_\_\_\_

My confidence level of how successful I can be with substituting and evaluating \_\_\_\_\_\_\_\_

My teachers’ explanation of substituting and evaluating \_\_\_\_\_\_\_\_