Foundations of Math I: Unit 1 SG

Teacher:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**OBJ. 1: Simplifying by Combining Like Terms/Distributive Property/Application**

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| --- | --- |
| **Objective** | **Score** |
| 1 | A B NY |
| 2 |  A B NY |
| 3 | A B NY |
| 4 | A B NY |

ANSWERS:

|  |
| --- |
| **1.**  |
| **2.** |
| **3.** |
| **4.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **5.** |
| **6.** |
| **7.** |
| **8.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **9.** |
| **10.** |
| **11.**  |
| **12.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **13.** |
| **14.** |
| **15.** |
| **16.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |

1. $\frac{1}{2}(4x-8)$

2. –3(x + 4) + 2(5x + 2)

3. Write a simplified expression for the area of the rectangle.

$$6x-2$$

8

4. Write a simplified expression for the perimeter of rectangle.

$$6x+2y$$

$$3x-y$$

**OBJ. 2: Solving 1-Step Equations Solve for x.**

5. $-7=x+11$ 6. $-36=-4x$

7. $\frac{x}{5}= -10$ 8. $\frac{2}{3}x=6$

**OBJ. 3: Solving 2-Step Equations**

**Solve for x.**

9. $8-x=12$ 10. $\frac{25}{x}= 5$

11. $-2x+7=-3$ 12. $10+ \frac{x}{3}=12$

**OBJ. 4: Word Problems**

13. A train is traveling at 100 miles per hour, from Charlotte to Atlanta. The total distance the train traveled was 400 miles. How long did it take for the train to travel from Charlotte to Atlanta?

14. Membership to a video game store is $50 a year and $5 per video rented. If you spent $250 this year, how many videos did you rent?

1. Cam has $40. Girl Scout cookies are $4 a box. How many boxes can Cam buy?

16. Summer has $12.00 in her wallet. She wants to purchase three hats that cost $7.00 each. How much more money does she need?