Name:_____Date:_____Score:_____

Self-Reflections (SR) - #1 UNIT 1 – Algebraic Expressions Algebra

**1.** **Learning Target #1-Classifying Polynomials**

$$5x^2 + 12x - 5x^2 + 9x - 5$$

| | |
|---|---|
| **Standard Form:** | |
| **Classify by Terms:** | |
| **Coefficient(s):** | |

**2.** **Learning Target #1-Translating Expressions/Equations**

1. Twice the quantity of 5 less than a number.
2. The difference of a number and 45 is 12.

**3.** **Learning Target #1-Creating Expressions**

A Burger restaurant gives you the option to purchase their signature Hamburger for $9.50 per Hamburger, or you can create your own Hamburger for $5 per hamburger plus a flat fee of $4 for unlimited toppings.

**a.)** Write an **expression** for the cost of the signature Hamburger

**b.)** Write an expression for the cost of creating your own hamburger

**4.** **Learning Target #2-Solving Equations**

$$-3(4x+3) + 4(6x+1) = 43$$

**Learning Target #2-Solving Inequalities**

$$\frac{2y-7}{5} > 7$$

**5.** **Learning Target #2-Creating Equations**

Suppose Kirk has taken three tests and made 88, 90, and 84. Kirk's teacher tells the class that each test counts the same amount. Kirk wants to know what he needs to make on the fourth test to have an overall average of 90 so he can make an A in the class

**6.** **Learning Target #2-Solving Literal Equations**

solve for (x)

$$y = mx + b$$

solve for (z)

$$x = \frac{yz}{6}$$

**7.** **Learning Target #3-Dimension Analysis**

Jacob lives 4.5 miles from the movies (Use 1 mile = 1609 meters). Josh lives 7.9 kilometers from the movies. Alex lives 6000 meters from the Movies. Terry lives 570,000 centimeters from the movies. Put the students in order from who lives farthest to the movies to who lives the closest to the movies.

**8.** **Learning Target #3-Conversion**

- There are 5280 feet in one mile
- There are 0.034 ounces in one milliliter
- There are 0.454 kg in one pound
- There are 1.6 kilometers in one mile
- There are 73 gallons in 2 barrels
- There are 1.05 quarts in one liter
- There are 4 quarts in one gallon
- There are 16 ounces in a pound.

Convert 45 ounces to milliliters.

Convert 28 kilometers to feet.