Unit 1 Assessment 1 Review
Standards: SSE.1, NQ.1, NQ.2-3

Name:_____
Date: _____

SSE.1: I can interpret parts of an expression.

1. Write the following as numerical expressions:
    a. Triple a number plus five
    b. The difference of a number times six and two
    c. The quotient of a number and three
    d. The sum of two and double a number minus five times a number
    e. The quotient of four times and number and seven
    f. Seven less than twelve times a number

2. Write the following expressions in word form:
    a. 2x + 4
    b. $\frac{5}{a}$
    c. $\frac{5x}{2}$
    d. 3 – 4x
    e. 2 + x
    f. 2x – 1

3. Identify the following in the expression: $5x^6y^7z + 2x^5y^6z^3 + x^3y^3z^2 - 4xy - 7$
    a. How many terms?
    b. 3rd term
    c. The variable(s)
    d. The coefficient of the 3rd term
    e. The sum of the coefficients

NQ.2-3: I can identify the appropriate level of accuracy and unit of measure based on a scenario.

4. Choose the appropriate unit of measure be for the following scenarios:
    a. Measuring the weight of an rhinoceros: gallons, pounds, kilograms, milligrams
    b. Measuring the distance from Miami to Hong Kong, China: days, yards, miles, kilometers
    c. Measuring the amount of time spent in a car per week: feet, minutes, hours, years
5. Shelby cut a piece of paper to exactly 6 inches. She wants to cut another piece the exact same length. Which factor should she focus on while cutting the second piece: error, accuracy, timing, tolerance?

NQ.1: I can use units of measure as a way to understand problems within context.

6. How many minutes are in 2 years?

7. A car is driving at a rate of 75 miles per hour. What is the car's speed in meters per second?

8. The average speed of a sprinter is 12.5 yds/sec. How many meters does he run in 1 minute?

9. If John is driving 70 mi/hr and Jim is driving 50 ft/min, who is driving faster?

10. A cheetah can run 72 miles/hour, how fast can it run in feet/sec?

11. Arrange the following from shortest to longest: (HINT: convert them to the same unit)
    a. a 1.21 m chain
    b. a 75 inch rope
    c. a 3 ft-5 in rattlesnake
    d. a yardstick