1.) Evaluate each expression for:

a. b. c.

2.) Evaluate each expression for:

a. b. c.

3.) Simplify each.

a. b. c.

4.) Classify using these: **Rational Numbers, Irrational Numbers, Natural Numbers, Integers, Whole Numbers**. Give the set(s) to which each belongs to.

a. b. c.

d. e. d.

5.) Simplify each.

a. b. c.

d. e. f.

6.) Write a variable expression to EXACTLY model each statement.

a. The sum of a number and six.

b. Three more than the quotient of twelve and a number.

c. The cube of a number times eight.

d. Five times the quantity of eight plus a number.

e. Eleven less than the product of two and a number.

Write an equation **and define the variables** for each situation.

7.) There are 24 hours in each day. Write an equation for the number of days in an unknown number of hours.

8.) There are 12 inches in a foot. Write an equation for the number of inches in an unknown number of feet.

9.) Bob went grocery shopping and decided to buy some bags of chips for $1.25 each and some Coke bottles for $2 each. Write an equation for the total amount of money Bob would have spent at the grocery store.

10.) Write an equation **and define your variables** to model the table below.

