Math 7 Period _____   Name_____
7.8.3 Homework Set   Date_____

1. List the *sample space* for each chance experiment.

    A. Flipping a coin

    B. Selecting a random season of the year

    C. Selecting a random day of the week

2. A computer randomly selects a letter from the alphabet.

    A. How many different outcomes are in the sample space?_____
    B. What is the probability the computer produces the first letter of your first name?_____

3. What is the probability of selecting a random month of the year and getting a month that starts with the letter "J?" If you get stuck, consider listing the sample space.

4. E represents an object's weight on Earth and M represents that same object's weight on the Moon. The equation $M = \frac{1}{6}E$ represents the relationship between these quantities. (from Unit 2, Lesson 4)
    A. What does the $\frac{1}{6}$ represent in this situation?
    B. Give an example of what a person might weigh on Earth and on the Moon.