Worksheet 1   **Name:** _____
Due Friday, January 16, 2009 at 1:45 p.m.

Directions: Show all work for full credit. Simplify answers completely. Clearly indicate all answers. **Work by yourself on this assignment.**

Part I

1. Do you prefer to use a nickname? If so, what is it?

2. Where are you from?

3. What is your major?

4. What do you like to do when you are not studying?

5. What was the last math class that you took? When did you take it?

6. What is your favorite book?

Part II

1. Fill in the blanks in the following:

    a. 42 is _____ percent of 50.

    b. _____ is 8.2% of 250.

    c. 9 is 5% of _____ .

2. Solve the following equations for x:

    a. $2x + 5 = 17$

    b. $4x + 1 = 23 - 7x$

    c. $2(x - 4) = 4x + 1$

    d. $x^2 - 3x = -2$

    e. $\sqrt{x + 5} = 6$

    f. $x^2 - 1 = 3$

    g. $\dfrac{x - 3}{2} = 4$

3. A population of whales has decreased by 10% in the last 5 years. If the current population is 810, what was the population 5 years ago?