Worksheet 1   **Name:** _____

Due Friday, January 15, 2010 at 1:45 p.m.

Directions: Show all work for full credit. Simplify all 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 you took? When did you take it?

6. What is your favorite movie?

Part II

1. Fill in the blanks in the following:

      a. 42 is _____ % of 50.

      b. _____ is 8.2% more than 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 polar bears has decreased by 10% in the last 5 years. If the current population is 810, what was the population 5 years ago?