Math 114, Quiz #2   Name_____
Chapter 1, Sections 1 – 4

You may work collaboratively on this quiz in your groups.

Students in the Shasta College Ag program would like to know if feeding boiler chickens a diet of seed containing 24% protein results in larger chickens than the usual 20% protein diet. They randomly chose 20 of their baby boiler chicks, randomly divided them into 2 groups of 10 chicks each, weighed them and recorded their weights. They found 2 students that knew nothing of the study that would be willing to weigh and feed the two groups of chicks for 1 month. The feed was already prepared for each group. Precautions were made to ensure the 20% and 24% protein feed did not get interchanged. After 1 month, the feeders were asked to weigh each chicken again and record the results. The weights were given to a 3rd student that knew nothing of the study who then calculated the initial average weight of the baby chicks from each group and the average weights of the 1 month old chickens from each group.

Circle the most appropriate key term (only one) as it applies in each item below:

1. General category of this study observational experimental	**2.** Blindedness of this study nonblind single blind double blind
3. The weights of the chickens at 1 month independent variable dependent variable confounding variable	**4.** The daily weather high temperatures independent variable dependent variable confounding variable
5. The chicken diet independent variable dependent variable confounding variable	**6.** The 20 baby chicks in this study population sample parameter statistic
7. The dependent (response) variable in this study nominal ordinal interval ratio	**8.** The independent (explanatory) variable in this study nominal ordinal interval ratio
9. The 10 chicks on 24% protein diet in this study treatment group control group	**10.** The 10 chicks on 20% protein diet in this study treatment group control group