Exam 1: Take Home Portion   Name_____

Statistics 1, Fall 2009 (Norris)

Section 6 and 7: Due Monday, October 5 at the BEGINNING of class

This is an individual assignment. Collaboration of any kind will be considered an act of academic dishonesty. You may only ask **me** questions about this exam.

The course website contains a data file called chicken weights. The aim of this study was to compare the weight gain of chicks on different feed types. Data were collected on the weights of 71 chicks after they were fed a specific feed type. The data file contains each chick's feed type and weight.

Suppose you own a poultry ranch and are trying to get the plumpest, heaviest chickens possible.

1. Construct a graph which will help you to decide which feed type you should select. Print your graph out and attach it to this page.

2. Construct a numeric summary that will help you compare the feed types and decide which to buy. Submit the numeric summary in a typed format (either by copy and pasting it or typing it into a word processor).

3. State which feed type you will choose and give reasons for your choice (Hint: Your reasons should use the graph and numeric summary from parts 1 and 2 of this problem). Type your answer.