**PSY 230 Lab Assignment 7 Part 1  
Points: 5**

***This assignment requires students to use SPSS to compute the t-test for independent samples. For each problem, run the t-test in SPSS and type the following information: (1) State the null and alternative hypotheses; (2) Indicate your decision (retain Ho or reject Ho); and (3) Write a couple of sentences showing how the results would be reported in the Results section of an APA paper (See G&W Ch. 10 for "In the Literature" APA sample).***  (1) SPSS handout—feedback for a length estimation task

(2) A psychologist theorized that people hear differently when they have just eaten a large meal. Six individuals were randomly assigned to eat either a large meal or a small meal. After eating the meal, their hearing was tested. The hearing ability scores (higher numbers indicate greater hearing ability) are given below. Using the .05 level of significance, do the results support the psychologist's non-directional hypothesis?

   Small Meal Group                            Big Meal Group

Subject        Hearing                        Subject        Hearing

A                    22                                D                19

B                    25                                E                 23

C                    25                                F                 21