**Psy 330  
1. Methods of Inquiry (ways of knowing) --Please think of an example of each**

**A. Method of Authority**

Seeking out an authority on the subject

**B. Method of Intuition**

Accept information on the basis of a hunch/gut feeling

**C. Method of Deduction**

Using logical reasoning to arrive at answers

**D. Method of Empiricism (Observation)**

Obtain knowledge through observation or direct sensory experience

2. List and describe the four principles (canons) of the scientific method. Why is each important?

3. Describe the differences between basic and applied research.

**4. A CLASS DEMONSTRATION—Assignment 1**

Reading & Counting--Are they rational, deliberate processes or are they automatic processes occurring with very little conscious effort?

4a. Be able to address the following:

Hypothesis:

Independent variable(s):

Dependent variable(s):

How many treatment groups? Name them.

Within-subjects or between-subjects design? Explain.

4b. Regarding data analysis, what types of descriptive statistics should we use? What type of inferential statistics should we use?

4c. Run the appropriate analysis in SPSS and print the output. Attach the output to this assignment please.

4d. Describe the pattern of results. What general conclusions can be made based upon the analysis?