COM 200 Chapter Seven Worksheet

The purpose of these worksheets is to provide brief application of the more important concepts in each chapter. You MUST read the entire chapter to be successful in the course! However, completing the chapter worksheets will prepare for you upcoming class activities and touch pad quizzes. You should have written responses to the questions offered ready to discuss with classmates and hand in if called upon.

Since the statistics chapters, perhaps a bit more than others, have some specialized vocabulary, the following questions are meant to reinforce your understanding of the *purpose* of some of the more central terms.

1. T or F Inferential statistics let us calculate a level of certainty when we project results from a sample to a wider population.

2. T or F Correlation is a measure of the strength of the relationship between two variables.

3. T or F The *t*-test assesses the differences in mean scores between more than two groups.

4. What is the one word (five letters!) answer for why inferential statistics cannot provide 100% statistical confidence? _____

5. What is the one word answer for how inferential statistics differ in their purpose from descriptive statistics? Hint: Descriptive statistics have the goal of "Summarize" while inferential statistics have the goal of _____ (what?!?! It rhymes!)

6. Below are three visual diagrams. Which diagram is associated with which statistical procedure? Write the test next to the diagram letter.
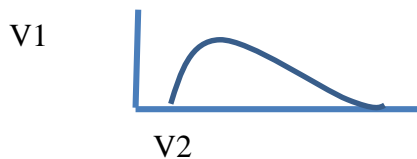
   Diagram A is illustrating _____

Grp 1	Grp 2

   Diagram B is illustrating _____

Grp 1	Grp 2	Grp 3

   Diagram C is illustrating _____

   V1

   V2

RP 2 Connection

Understanding Q6 will be important for planning out your research proposal. What diagram most matches what you are hoping to do in your proposed study? That will help you understand what statistic(s) you'll need!