

Statistics Chapter 10
Sections 10.3

1. Look at the following data below that compares Method A vs. Method B.

A	1	5	8	9	5	4	4
B	3	2	0	1	3		

Is the above data related to two independent samples or one dependent sample? How do you know?

2. Can 2 Independent Populations yield samples that are the same size? _____
3. In a hypothesis test between 2 Independent Populations, the relation between the two populations is unimportant. Why?

4. In a hypothesis test between 2 Independent Populations, the Null Hypothesis will usually be...

H_0 : _____

What is the assumption between both population averages? _____

5. In a confidence interval between 2 Independent Populations, is it possible to get a “+” and “-” value for the results?

6. Suppose a calculation for a confidence interval between the average test scores for Period 1 Stats and Period 7 Stats produced the values,

(-5.35 to 15.21)

The manner of subtraction was (Period 1 average) – (Period 7 average). What does the interval indicate?

7. What calculator function is used to conduct a hypothesis test between 2 Independent Populations?

8. What calculator function is used to conduct an estimation between 2 Independent Populations?

9. There are two methods to find the Degree of Freedom between 2 Independent Populations.

a. _____

b. _____

10. Referring to question #9, which method is the preferred method to find t^* ?

l. Should you have any negative values when you write up Step 4?

m. Do Step 4.