

Show all of your work. Please staple in the upper left hand corner.

There are problems out of the section exercises on this homework. You *must show all work* to receive credit. If answers are directly copied from the back of the book no points will be awarded. Write answers in your own words.

1. Chapter 6 - Section 1 - Question 2. Do parts (a)-(e) as the problem dictations (using large-sample normal distribution based confidence intervals).
2. Chapter 6 - Section 1 - Question 2. Do parts (a)-(e) using t-based confidence intervals.
3. Chapter 6 - Section 1 - Question 3.
4. Read Guinness, Gosset, Fisher, and Small Samples. William Gosset is credited as the discoverer of the t-distribution. Provide a brief summary (.5-1 pages) of the events that led to him making his discovery.