Chapter 10 Learning Targets

* I can write hypotheses (null and alternative) correctly using the proper population characteristics and hypothesized values.
* I can distinguish between a Type I and Type II error and determine the consequences for each.
* I know the relationship between Type I and Type II errors.
* I know the symbols for Type I and Type II errors.
* I can conduct a hypothesis test for a single proportion following all of the steps in PHANTOMS.
* I can use the p-value to make the appropriate decision, reject the null or fail to reject.
* I can determine if a test is one-sided or two-sided.
* I can conduct a hypothesis test for a single mean following all of the steps in PHANTOMS.
* I can find the p-value when given the test statistic.
* I can determine the appropriate test to conduct for the type of data given.
* I understand when to apply the term “statistically significant.”