$\bar{X}$ = _____ S_X = _____ α = ____% n = _____

Population _____

Quantitative Variable _____

Step I Identify Procedure:

We want to estimate the mean for _____ in the population of _____ (__).

Step II Check Conditions:

*** _____ _____: A _____ _____ was conducted to insure every member of the population was equally likely to be selected.**

*** _____ Sampling Distribution: The sampling distribution of all possible sample means has an approximately _____ shape because the sample was of sufficient size, over 30 (per the _____ _____ Theorem).**

*** _____: The lack of replacement is not a problem in this case because the number of subjects in the population is more than _____ times the sample size.**

Step III Perform Procedure:

Estimate **Margin of Error**

_____ _____

____% Confidence Interval Ranges From _____ to _____

Step IV Interpretation:

We are _____% confident that the mean for _____ in the population of _____ (___) falls between _____ and _____.