Table Number:_____

Group Members:_____

Group Name: _____

Random Sampling Methods

Key Understanding: every member is equally likely to be chosen

Simple Random Sampling – Use a random number generator or a random number table to determine which members are chosen.

Cluster Sampling – Population is divided into clusters reflecting the variability within population and then a certain number of clusters are randomly selected and every member of the selected cluster is surveyed.

Systematic Sampling – Sampling every k^{th} member of a population after randomly determining the first individual by selecting a random number between 1 and k.

Stratified Random Sampling – The population is divided into two or more groups (strata) according to some criterion and subsamples are randomly chosen from each strata.

Identify the type of sampling used in each of the following vignettes and explain your choice:

- Ohio wants to gauge public reaction to a proposed tax increase. They randomly select individuals from rural areas, randomly select individuals from suburban areas, and randomly select individuals from urban areas.
 Type of sampling:
 Explain:

- Design consultants are selected using random numbers in order to determine annual salaries. Type of sampling: ______ Explain: