STP 226 Group work #1 ch1_2 Names:

1. Use the part of the Random Numbers Table listed below to obtain a simple random sample of size n=5 out of the population of 352 people. Start at the beginning of the table, move right and list 5 people by their position on the ordered list.

42307780956689314567321815652330845219044025643840956 34

_____ _____ _____ _____ _____

2. The following table gives information that was collected about a group of students in STP226 class. Identify the variables in each column of the following table as qualitative or quantitative, if variable is quantitative , decide if it is discrete or continuous.

student	Age	Gender	Class rank	Marital status	Number of siblings
John, Smith	21	M	3	single	0
Kasey, West	19	F	12	single	3
Loren, Blake	20	F	4	married	2
Kathy , Mars	22	F	10	single	1
Joseph, Young	25	M	8	divorced	2

Age: Gender: Class rank:

Marital status: Number of siblings:

3. Based on a simple random sample of 200 ASU students with GPA 3.8 or higher, we concluded that ASU students with GPA 3.8 or higher study on average more than 4 hours per day.

a) Was the generalization from the sample to the population reasonable, give reason why or why not? Assume that sample size is sufficiently large.

b) Can we generalize the information from that sample to the population of all ASU students? Why or why not?