HW 1

Section 1.1

44. A cardiologist is interested in the mean recovery of her patients who have had heart attacks.
a. Population - Patients who have had heart attacks
b. Sample - Heart attacks in patients
c. Parameter - mean recovery period
d. Statistic - # of each recovery time
e. Variable - Heart attack recovery period
f. Data - recovery periods of patients

50. A lake tahoe community college instructor is interested in the mean number of days lake tahoe community college math students are absent from class during a quarter.
- what population is she interested in? D All math students

52. Absent 3.5 days. represents: A. Parameter

Section 1.2

53. # of tickets sold to a concert → quantitative discrete

54. % of body fat → quantitative continuous

55. Favorite baseball team → qualitative

74. a) Yes, because there was enough people to get different opinions

b) NO, because it could have been in an area with less diversity or more of one gender than the other

c) No, because some may not of had cars or money to get to the show. Others of lower incomes may not have been able to afford to go.

D) With all the additional info, I dont Thik in was a very accurate sample of the population

76. a) qualitative

b) quantitative continuous

c) quantitative continuous

D) qualitative

81)

# Flossing Perwk	Freaucncy	relative frequency	
0	27	0.4500	0.4500
1	18	0.3000	0.7500
3	11	0.1833	0.9333
6	3	0.0500	0.9833
7	1	0.0167	1.000

b) What % Flossed 6x a week? 5% 3/60 x 100

c) What % Flossed at most 3x a week? 93.33% 50/60 x 100

82)

Data	Frequency	relative Frequency	cum. relative Frequency
0	2	2/19	0.1053
2	3	3/19	0.1579
4	1	1/19	0.052
5	3	3/19	0.1579
7	2	2/19	0.1053
10	2	2/19	0.1053
12	2	2/19	0.1053
15	2	2/19	0.1053
20	2	2/19	0.1053

a) They might not have paid attention to the correct numbers of people

b) They divided wrong and got the wrong percentage

c) 15% have lived in the us for 5 years

D) 5/19

e) 15/19

F) 13/19

J) 13/19