King Fahd University of Petroleum & Minerals
Department of Mathematics & Statistics
STAT-211-Term172
Quiz #1

Name: ID: Serial:

Q1: A businessman who is running for the vacant City Commission seat with 20,000 registered voters conducts a survey. In the survey, 55% of the 300 registered voters interviewed say they planned to vote for him.

    a. What is the population of interest?

    b. What is the sample?

    c. Is the 55% a parameter or a statistic?

Q2: The following observations are the daily sales in thousands of super market in S.R.

    50, 55, 49, 48, 70, 61, 69, 47, 57, 65, 73, 46, 64, 53, 61, 60, 63, 59, 74

Construct a stem – and - leaf plot, and comment on the shape

Q3: The data below show the types of medals won by athletes representing the United States in the 2006 Winter Olympics.

gold	gold	silver	gold	bronze	silver	silver
bronze	gold	silver	silver	bronze	silver	gold
gold	silver	silver	bronze	bronze	gold	silver
gold	gold	bronze	bronze			

a. Construct a frequency table for the data.
b. Construct a pie chart for the data.