1.4(__/3) A data set consists of ages at death of all the dead presidents of the U.S..
(a) W.r.t. dead U.S. presidents, is this a sample or population?
(b) What is the variable being measured?
(c) Is the variable quantitative or qualitative?

1.6(__/3) A researcher wants to estimate the survival time of a patient after the onset of a particular type of cancer and after a particular regimen of radiotherapy.
(a) What is the variable of interest to the researcher?
(b) Is the variable qualitative, quantitative discrete, or quantitative continuous?
(c) Identify the population of interest to the researcher. Hint: it is not the set of patients: statistical populations are not sets of people.

1.8(__/4) Fifty people are grouped into four categories - A, B, C, D. The number of people who fall into each category is:
A - 11, B - 14, C - 20, D - 5.
(a) What are the experimental units? Hint: they are not A, B, C, D.
(b) What is the variable being measured?
(c) Construct a pie chart for the data.
(d) Construct a bar chart for the data.

1.12(__/3) The 1960s generation was never as radical as it was portrayed. A group of 30 to 40 year olds rated the 1960s political affiliations as follows:
Conservative: 28%, Moderate: 35%, Liberal: 31%, Radical: 6%.
(a) Define the variable being measured.
(b) Is the variable qualitative or quantitative?
(d) Define the sample and the population of interest to the researchers.

1.16(__/2) Consider the data:
4.5  3.2  3.5  3.9  3.5  3.9
4.3  4.8  3.6  3.3  4.3  4.2
3.9  3.7  4.3  4.4  3.4  4.2
4.4  4.0  3.6  3.5  3.9  4.0
(a) Construct a stem and leaf plot with the leading digit as stem.
(b) Construct a stem and leaf plot using each leading digit twice (See figure 1.10). Hint: split [3, 4) into [3.0, 3.5), [3.5, 4).

1.18(__/2) Consider the data:
1  2  1  0  2  2  2  1  1  0  0
2  2  1  1  0  0  1  2  1  1
(a) Draw a dot plot for this data.
(b) Draw a stem and leaf plot. Hint: rewrite 2 as 2.0

1.20(__/2) A realtor sells the following number of houses:
61 in year 1, 62 in year 2, 60 in year 3, 59 in year 4, 58 in year 5
(a) Draw a line chart for the data. Start chart at 55 rather than 0.