1. Which of the following statements is most completely true in comparing an appropriately drawn histogram to a stem-and-leaf display of the same data?

   (a) Both convey the same information about the shape of the distribution.
   (b) Both convey the same information about gaps in the distribution.
   (c) Both convey the same information about outliers.
   (d) Two of the above are correct.
   (e) All of the above are correct.

2. A data set consists of fifty three-digit numbers ranging from 180 to 510. The best choice for stems in a stem-and-leaf display would be to use

   (a) 1 digit stems (1,2,...,5)
   (b) 2 digit stems (18,19,...,51)
   (c) 3 digit stems (180,181,...,510)

3. You consider all of the adult patients in a large hospital. Which of the following variables would you expect to have a distribution that is left-skewed as revealed by a dot plot of the data?

   (a) Height
   (b) Annual income
   (c) Eye color
   (d) Age
   (e) More than one of the above.

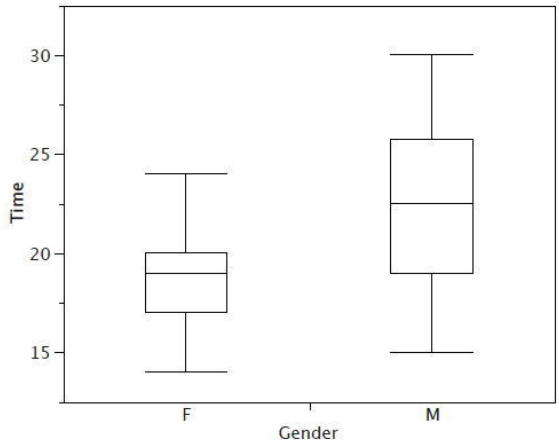
4. You consider all of the adult patients in a large hospital. Which of the following variables is continuous?

   (a) Height
   (b) Weight
   (c) Eye color
   (d) Number of past surgeries
   (e) More than one of the above.

5. You consider all of the adult patients in a large hospital. Which of the following variables is discrete?

   (a) Height
   (b) Eye color
   (c) Number of siblings
   (e) More than one of the above.

6. Below are boxplots for two data sets:



TRUE or FALSE: There is a greater proportion of values inside the box for the data set on the right than for the data set on the left.

(a) True, and I am very confident.

(b) True, but I am not very confident.

(c) False, but I am not very confident.

(d) False, and I am very confident.

7. The five-number summary for all student scores on an exam is 45, 63, 80, 92, 100. Suppose 200 students took the test. How many students had scores between 63 and 80?

(a) 17

(b) 25

(c) 50

(d) 100