CHECKING YOUR PROGRESS: A SELF-TEST

1. According to a graphing convention, which of the following is true?
   a. The X axis should be three-fourths of the Y axis.
   b. The Y axis should be three-fourths of the X axis.
   c. The two axes should be approximately equal.
   d. None of the above; there is no convention about the relative length of the axes.
2. True or False: Positively skewed curves have a tail toward the upper end of the X axis.
3. A histogram used to plot nominal scale data is called a
   a. line graph.
   b. stem-and-leaf plot.
   c. bar graph.
   d. frequency polygon.
4. The following are scores on a test in statistics. Make a stem-and-leaf plot.

66	88	89
86	91	88
76	89	76
74	55	95
93	54	80
80	90	29
65	92	69
86	92	84

5. The latency for rats to leave a lighted platform was timed on four trials. Their average latency in seconds over the four trials was as follows: Trial 1, 10.5; Trial 2, 4.6; Trial 3, 3.8; Trial 4, 4.1. Graph the data.
6. A marketing student tabulates all the cars that pass through an intersection according to country of manufacture. The data are as follows: United States, 43; Japan, 27; Germany, 10; Sweden, 3; Korea, 6; unknown, 4. Graph the data.
7. On the final exam in a typing class, students were required to type as many words as possible in a 1-minute test.
   a. Using the following frequency distribution, make a frequency polygon.
   b. Plot a cumulative percentage curve and use it to show about what percentage typed 65 or fewer words per minute.

X	f
75	1
74	1
73	2
72	2
70	3
69	2
68	4
65	4
64	3
63	2
62	2
57	1
55	1