HW 2.1 Guide

1-2: These problems deal with the definitions of frequency distributions, relative frequency distributions, bar graphs, and pie charts.

3-6: These exercises ask you to interpret bar graphs and pie charts, answering questions about them.

7: In part A you can construct the relative frequency distribution using StatCrunch by copying the data into StatCrunch and then using Graph > Bar Plot > With Summary. Select relative frequencies under type and check the box for display value above bar. The Categories are in column 1, and the Counts are in column 2.
In parts B & C, remember that you have to move the decimal point 2 places to the right when converting a decimal to a percent.
In part D edit your bar plot to have a type of Frequency (instead of Relative Frequency) and see which bar graph looks closest to yours. For part E, just change "Frequency" back to "Relative Frequency".
For part F, use StatCrunch to create a pie chart > with summary.
Part G (inferential/descriptive) depends on material from chapter 1 if you need to look back over those definitions.

8: Just like problem 7.

9: This problem sees if you can put it all together. Pull all of the data into StatCrunch and then

a) Make a frequency distribution.
b) Convert it to a relative frequency distribution. (You can get parts A and B at the same time.)
c) Make a bar graph (with data).
d) Convert it to a relative frequency bar graph.
e) Make a pie chart (with data).