Statistics   2.1-2.2 Review   Name:_____

Section 2-1: Frequency Distributions and Their Graphs
*Construct a frequency distribution including limits, midpoints, relative frequencies, cumulative frequencies and boundaries.
*Answer questions about a frequency distribution or its graph.
*Construct a frequency histogram, frequency polygon, relative frequency histogram, or ogive from a given data set or frequency distribution.
*Answer questions about a graph.

Use the table below to answer questions 1 -9.

Daily Low Temperature $(F°)$	Frequency	Midpoints	Relative Frequency	Cumulative Frequency	Class Boundaries
35-39	1				
40-44	3				
45-49	5				
50-54	11				
55-59	7				
60-64	7				
65-69	1				

1. Identify the class width.
2. Complete the remaining columns.
3. Create a frequency histogram. Identify the class with the least and greatest frequency.
4. Create a relative frequency histogram.
5. Create an ogive. Which class has the largest increase in frequency?
6. What percent of the days had a low temperature of 50° or higher?
7. What did you do to answer #6?
8. How many days had low temperatures in the 40's?
9. What did you do to answer #8?

Section 2-2: More Graphs and Displays
*Construct a stem-and-leaf plot, dot plot or pareto chart; answer questions about graphs that are already made.
*Use EXCEL to construct a pie chart, scatter plot or time series chart; answer questions about graphs that are already made.
*Be able to talk about advantages/disadvantages when using the above graphical displays (ex: why choose stem-and-leaf plot over histogram).