Chapter 3 Homework

1. Consider again the high temperatures in 36 US cities on July 20, 2012 (source: http://www.nws.noaa.gov/xml/tpex/scs.php). The data has been ordered for you.

CITY	HI
ANCHORAGE	60
CHEYENNE	68
BISMARCK	72
CASPER	72
BILLINGS	73
COLORADO SPGS	77
BOISE	82
BUFFALO	85
CARIBOU	85
ASHEVILLE	86
CHARLESTON SC	86
BIRMINGHAM	87
BROWNSVILLE	87
ATLANTA	88
BATON ROUGE	89
COLUMBUS GA	89
AUSTIN	90
CINCINNATI	90
CHATTANOOGA	91
CLEVELAND	91
COLUMBIA SC	91
AKRON CANTON	92
AMARILLO	92
BRIDGEPORT	92
ABILENE TX	93
CHARLOTTE	93
COLUMBUS OH	93
ALBANY NY	94
CHARLESTON WV	94
ALLENTOWN	95
ATLANTIC CITY	95
BURLINGTON VT	95
CHICAGO	95
BOSTON	97
BALTIMORE	98
ALBUQUERQUE	100

a. Make a frequency distribution table and relative frequency distribution table which divides the data into **equal size** intervals. Use at least 4 intervals.
b. Make the corresponding frequency histogram – be sure to label accurately.
c. Make the corresponding relative frequency histogram – be sure to label accurately and that the heights are correctly proportioned. Don't be sloppy – points (points off) for neatness and accuracy (lack of).
d. Make a stem and leaf graph of the data. CIRCLE THE MEDIAN.