

Math 110  
Spring, 2009

Name \_\_\_\_\_

Homework #4  
Due Monday, March 16  
No late papers accepted! No excuses!

1. Use the data below to create a stem and leaf plot.

144	152	142	151	160	152	131	164	141	153	140
144	175	156	147	133	172	159	135	159	148	171

Use the tens digits as the stems.

2. Use the employment data in the table on Alpha Corporation to answer the following questions.

Years employed at Alpha Corporation	Frequency
1 - 5	5
6 - 10	20
11 - 15	25
16 - 20	10
21 - 25	5
26 - 30	3

- What is the class width?
- What is the upper class limit of the 3<sup>rd</sup> class?
- What is the lower class limit of the 4<sup>th</sup> class?
- Find the class midpoints.
- Construct a relative frequency distribution.
- Construct a cumulative frequency distribution.