

Name _____ Date _____ Period _____

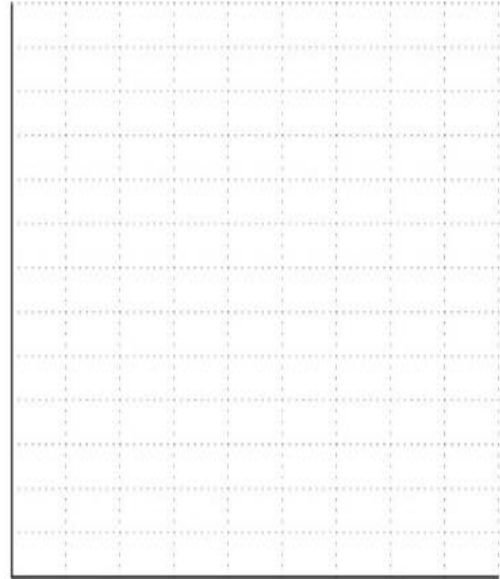
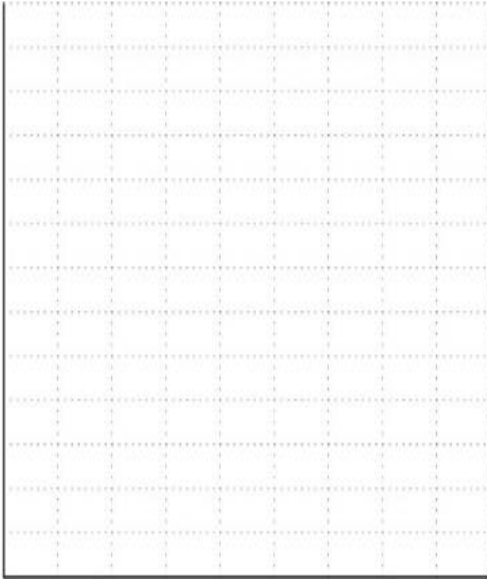
Ch 4 Comparing Distributions: Height

Directions: We are going to measure our height in inches, then use the data.

1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

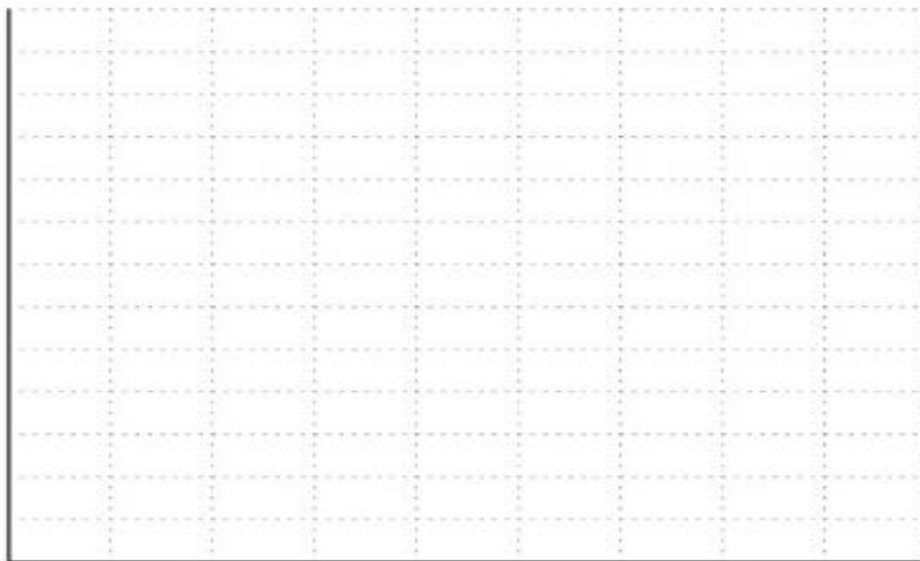
- 1) Find the mean for the class, then by gender.
- 2) Find the standard deviation for the class, then by gender.
- 3) What does the standard deviation tell us in accordance to this data?
- 4) Find the 5-number summary based on gender.
- 5) Find the range and IQR based on the class, then by gender.
- 6) Make a stem-and-leaf plot for each gender.

7) Make a histogram for each gender.



8) Describe your shape, center, and spread based on the histogram. Does this differ from stem-and-leaf? Why or why not?

9) Make boxplots based on gender.



10) In a paragraph, compare the distribution of data by gender. Use vocabulary and statistical values to support your conclusions.