

## Chapter 5 – Understanding & Comparing Distributions

Essential Skills & Objectives	Practice	Self-Check		
1. Can you compare and contrast different graphical representations of the same data?	#7, 9, 21, 36	😊	😐	😞
2. Can you create comparative graphical representations of data?	#11, 33, 34	😊	😐	😞
3. Can you create a boxplot (showing outliers) by hand from a five-number summary, remembering to scale and label the axes?	#12, 23, 25, 29	😊	😐	😞
4. Can you compare the distributions of two or more groups by comparing their centers, spreads, and shapes, using comparative language?	#15, 16, 17, 18, 20, 22, 32	😊	😐	😞
5. Can you interpret a time plot?	35, 36	😊	😐	😞
6. Can you interpret an o-give and find its five-number summary?	#27, 28	😊	😐	😞
7. Can you perform a basic re-expression on a data set?	#40	😊	😐	😞

Read Chapter 5 (pgs. 80-89)

- A. What is a boxplot? What summary do you use to make a boxplot?
- B. Give the step-by-step process used to test for outliers. What is the name of this test?
- C. Once you've identified likely outliers, what should you do?
- D. When is it appropriate to use a time-plot to display quantitative data?
- E. When describing a time-plot, make sure you look at \_\_\_\_\_, NOT SOCS!!
- F. What is an o-give?
- G. How do you find the 5-number summary from an ogive?

Briefly summarize Re-expressing Data (read pgs. 89-91):