# THINGS YOU NEED TO KNOW FOR THE TEST

- Which statistics are resistant to outliers?  Which are sensitive to outliers?  Which will be affected by shifting and scaling the data?

- How to create different types of graphical displays that we have covered (both categorical AND quantitative) and when/why one is more appropriate than another

- How to calculate/show the existence of outliers

- Comparing the mean and median in different distributions (ie. In symmetric or skewed which one is higher/lower)

- General idea of standard deviation – what a large S.D. looks like compared to a small S.D.

- How to calculate Standard Deviation from a small data set (M&M's activity)

- Calculating percents from two-way tables (see Categorical Data Handout/Quiz)
- Describing a distribution (CUSSing)
- Comparing graphs (ie. Back-to-back stem plots like Ruth-Maris example, or Side-by-side boxplots like AP Set and Test Review pg. 93 #20)
- Funky Boxplots
- Finding the 5-number summary from a large data set