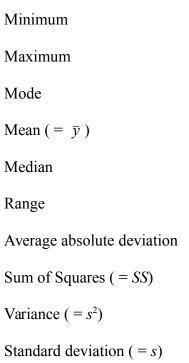
Descriptive Statistics Review

Know the definitions of the following. You should also know how to calculate these *without a calculator*:



Note that all of the above are *sample* statistics since they are calculated from our sample.

Comment: since you can't easily do square roots without a calculator, any calculations you need to do by hand will use numbers that are easy to work with (e.g., $\sqrt{64}$, $\sqrt{49}$, etc.).

(In general, you shouldn't see fractions or decimal numbers).

Why do we use n-1 in the denominator for the variance (and standard deviation)? Why not just n?

You should know what significant digits are and how to round.

Why do you *never* round anything until you get to your final answer?

But please remember that I am not very picky about significant digits, providing you don't round too much. If in doubt, give a few extra digits rather than not enough.