

## **A Guide to the Reference Pages in your Textbook for Calculus I: Math 150**

In the front of your textbook you will find the beginning of the REFERENCE PAGES. The first two are in the front and eight more pages are near the back cover. If you do not have these in your book copy them from someone else's.

### **What you should already know on day one**

It is expected that you already know the formulas and graphs on Reference Pages 1-4, except for the Hyperbolic Functions on Page 4. (If you have forgotten the trig formulas on Page 2 starting from The Law of Sines to the Half-Angle Formulas, that won't matter much this semester, but they are used in Calculus II, so you should review them.)

### **What you should know for the final**

By the end of this course you should know the formulas for the Hyperbolic Functions (but not their inverses), the Differentiation Rules on Page 5 (but not 31-36) and the first 15 Basic Forms in the Table of Integrals on Page 6 and the Hyperbolic Forms (103-105) on Page 10.

There are some additional formulas from Chapter 6 that you will expect to know or to deduce quickly.

- [2] on page 438 & [3] on page 440 (and when to use which).
- Volumes by the Disk method and the Washer method.
- Volumes by Cylindrical Shells: [2] page 456.
- Know how to calculate "work" (Section 6.4).

**The best way to insure that you remember a formula or method is to use it over and over in working problems. And of course there is much more to calculus than knowing formulas.**