

## Mathematics Tutorial Series

### Integral Calculus #13

## Importance of the Substitution Technique

- ❖ Substitution is the most important integration technique.
- ❖ All other integration techniques often start and/or end with a substitution.
- ❖ When you use technology to evaluate an integral it helps a lot to understand the substitutions that make the problems feasible.
- ❖ Substitution is really just a change of variable.
- ❖ Substitution is the differentiation Chain Rule running backwards.

**Insider hint:** there are actually relatively few substitution integrals that it reasonable to ask students to evaluate.

You really can practice them all. Just check out a few texts.