

**6.2 - INTEGRATION BY SUBSTITUTION** - HW # 1 – 65 (odd)

I. Reversing the Chain Rule:

Method of Substitution:

1. Select  $u$  such that  $du$  is a factor in the integrand.
2. Rewrite the integrand entirely in terms of  $u$  and  $du$ .
3. Evaluate the new integral.
4. Rewrite the antiderivative in terms of the original variable.

**Examples:**