

Integral Substitutions

The objective of this lesson is to understand u substitution and its ability to transform difficult-looking problems into much simpler problems. First you have to determine the 'u', then du/dx , then ensure that the integral is indeed simpler than the one you started with. Now you have the tools to solve the problem. If it turns out you still cannot evaluate the integral or the problem appears more complicated than the original, it may mean (a) you need another substitution, or (b) you might need to reexamine the original problem and try a different substitution.