

INTEGRATION TECHNIQUES

This review of integration techniques is in no way complete. It is vital for your success that you attempt a large number of problems from the text (even more than are assigned). There is no substitute for practice and experience. I hope that this guide helps you organize your studying.

We have 20 integrals we can do in one step (see page 506 of the text). If your integral is not on this list, then you need to use our methods. The first thing you should do is look for any possible u-substitutions or simplifications. Then you should try one of our four new methods. These methods, and when to choose them, are illustrated below:

