Math 120 – Week 7 Assignments
Spring 2003

Monday March 3 *Class 15*:

Practicing Integration by Substitution. We shall practice using the technique of integration by substitution.

Homework:
    Quiz #5: Integration by Substitution
Due on Wednesday in *Class 16*

Wednesday March 5 *Class 16*:

More Integral Exchange: Integration by Parts. We shall reverse engineer the Product Rule for Differentiation and see how the analogous rule for antidifferentiation leads to the technique of Integration by Parts.
Homework #9: (6 points)
    Smith & Minton, pages 383: 58, 59, 73, 74. page 567: 7, 8
Due in *Class 17*

Thursday March 6 *Lab 4* :

Simpson's Rule. We shall analyze methods for evaluating definite integrals using numerical/computational techniques, culminating with Simpson's Rule.

Friday March 7 *Class 17* :

Applications of Definite Integrals. We shall get more practice with evaluating integrals by summarizing various applications of definite integrals.
Homework:
    Quiz #6: Integration by Parts
Due on Monday in *Class 18*