

Math 241, Fall 2002 Worksheet 3

This worksheet covers only the sections related to integration. Essentially, this is the new material that has been lectured after the second test. There will be another worksheet that specifies which of the material from the first two tests will appear on the final exam. For each section, first are listed the typical examples which illustrate the basic ideas of that section. They are followed by a short list of problems that you can (and should) use to exercise. The problems in parenthesis are similar to the one immediately preceding them and are provided for additional exercise only. For instance, 9(3,5) means that you should attempt number 9 first and if you feel you need to exercise more on this particular type of problem you could try also number 3 and 5.

16.2: examples: 1,4; exercises: 9(3,5),15(13),21(22)

16.3: examples: 1,3; exercises: 11(3,5,7),15(13,17),21(19)

16.4: examples: 1,2,3; exercises: 3(1),11(13),15

16.7: examples: 2,3,5; exercises: 7(3,5),9(11),17(15),19

14.7: examples: 1,2,4,6; exercises: 3-6(b)(3-6(a)),17(19),21(23),29(28)

16.8: examples: 1,2,3; exercises: 1(3),7(9)(assume $a=1$ and $b=3$)

16.9: exercises: p.728 16,17,20