

Written Assignment 5

Due by the beginning of class on Monday, September 25, 2017.

1 Trigonometric substitution

Chapter 7.3: 6, 9, 10, 13, 14, 16, 17

2 Partial Fractions

Chapter 7.4: 1, 3, 5, 6, 7, 9, 11, 15, 19, 27, 28, 31, 35, 36, 37, 41, 44, 47, 49, 53, 54.

3 Additional Problems for Practice

Integration technique simply requires practice, so do as many of the odd-numbered problems from the text as you need to feel really competent and confident. (Feel free to do even-numbered problems as well, of course. The odd-numbered problems give you a way to check that at least you got the correct final answer, but be careful on indefinite integrals: often functions that differ by a constant can have very different forms, so you may be correct even if your answer doesn't match the one in the back of the textbook.)

Feel free to ask in class about any problem!