

Homework 2 - Math 142, Frank Thorne (thorne@math.sc.edu)

Due Wednesday, September 4

Important: As with everything else in life, being right is not enough. Please show your work, write in complete sentences, and explain your reasoning clearly.

- (a) What is the formula for integration by substitution? Why does it work?
- (b) What is the formula for integration by parts? Why does it work?
- (c) Thomas, Chapter 8.2, 31-40, 43-52, 54, 55, 59(a)-(c), 61.