

Homework 3 - Math 142, Frank Thorne (thorne@math.sc.edu)

Due Wednesday, September 11

Important: Please show your work, write in complete sentences, draw pictures and/or triangles when appropriate, and explain your reasoning clearly.

- (a) Thomas, Chapter 8.3, 12-24 even, 34, 36, 38, 71, 72.
- (b) Thomas, Chapter 8.4, 6-26 even, 53, 57.
- (c) Choose any of the trig substitution questions you solved in Chapter 8.4. In your triangle, you chose one of the angles to be θ . What if you instead chose the other angle to be θ ? Write down the substitution you get, and verify that you get the same solution to the problem.