Due: December 5, 2016

MATH 320: HOMEWORK 8

Please read through chapters 19, 20.1-20.3, and 21.1-21.3 in the textbook. Answer the following questions. Please submit all code and output with brief descriptions of what you are doing.

(1) Problem 19.4
(2) Problem 20.3. Add part (d) compute the integral analytically.
(3) Problem 21.3. Second-order accurate means that the error is on the order of h^2.