UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Department of Physics

Physics 100B Summer 2004

Prof. Jean Carlson

ASSIGNMENT 2

Part A due Wednesday, August 11. Part B due Monday, August 16. This is a very important assignment! By the end of this assignment, you should be very comfortable with contour integrals. It's a good idea to work more problems than those which are explicitly assigned and graded.

PART A: DUE WEDNESDAY, AUGUST 11: From Boas Chapter 14 (Do these right away!):

Section 4, p. 596: 7, 10

Section 5, p. 597: 1

Section 6, p. 601: 15, 25

PART B: DUE MONDAY, AUGUST 16: Also from Boas Chapter 14 (do lots of extra problems from these sections):

Section 6, p. 601: 34' (do the primed version– i.e. evaluate the integral)

Section 7, p. 611: 6, 12, 26, 34