

# PHYS:4762 Homework #2

Reading: Read Arfken, Weber, & Harris, Chapter 11, Sections 11.7–11.8 (p.509–538)

Due at the beginning of class, Thursday, February 1, 2018.

Note: Although some of the definite integral problems can be solved with methods other than contour integration, please use contour integration to evaluate these integrals.

## Homework Problems:

1. (10 pts) Chapter 11, Exercise 11.7.1 (a), (b), (c), and (e) only
2. (10 pts) Chapter 11, Exercise 11.7.2
3. (10 pts) Chapter 11, Exercise 11.7.7
4. (15 pts) Chapter 11, Exercise 11.8.4
5. (10 pts) Chapter 11, Exercise 11.8.10
6. (15 pts) Chapter 11, Exercise 11.8.17
7. (15 pts) Chapter 11, Exercise 11.8.19
8. (15 pts) Chapter 11, Exercise 11.8.22