

# PHYS:4761 Homework #4

Reading: Read Arfken, Weber, & Harris, Chapter 3, Sections 3.10 (p.182–203)  
Chapter 4, Sections 4.1–4.3 (p.205–226)

Due at the beginning of class, Friday, September 22, 2017.

## Homework Problems:

1. (5 pts) Chapter 3, Exercise 3.5.10
2. (5 pts) Chapter 3, Exercise 3.6.1
3. (5 pts) Chapter 3, Exercise 3.6.10
4. (5 pts) Chapter 3, Exercise 3.6.15
5. (10 pts) Chapter 3, Exercise 3.6.16
6. (10 pts) Chapter 3, Exercise 3.7.2
7. (10 pts) Chapter 3, Exercise 3.7.5
8. (5 pts) Chapter 3, Exercise 3.8.2
9. (5 pts) Chapter 3, Exercise 3.8.3
10. (10 pts) Chapter 3, Exercise 3.8.12
11. (10 pts) Chapter 3, Exercise 3.9.2
12. (5 pts) Chapter 3, Exercise 3.9.6
13. (5 pts) Chapter 3, Exercise 3.9.10
14. (10 pts) Chapter 3, Exercise 3.9.11