

# PHYS:4761 Homework #1

Reading: Read Arfken, Weber, & Harris, Chapter 1 (p.1–82)

Due at the beginning of class, Thursday, August 31, 2023.

Homework Problems:

1. (10 pts) Chapter 1, Exercise 1.1.1
2. (10 pts) Chapter 1, Exercise 1.1.5
3. (10 pts) Chapter 1, Exercise 1.1.13
4. (10 pts) Chapter 1, Exercise 1.2.1
5. (10 pts) Chapter 1, Exercise 1.2.9
6. (10 pts) Chapter 1, Exercise 1.3.10
7. (10 pts) Chapter 1, Exercise 1.3.16
8. (10 pts) Chapter 1, Exercise 1.5.1
9. (5 pts) Chapter 1, Exercise 1.7.11
10. (5 pts) Chapter 1, Exercise 1.8.1
11. (5 pts) Chapter 1, Exercise 1.8.9
12. (5 pts) Chapter 1, Exercise 1.8.11