Homework Set 5, Physics 355, Spring 2024. Handed out Feb. 19, due Feb. 26 in class. Please turn in a legible paper copy, with your full name on the paper. A complete solution should be submitted for each problem, with no missing steps. This homework is based on the in-class lectures for Chapter 8 in the text. The problems are taken from the text, and the text is the best reference for the equations needed, along with slides shown in class.

(1) Problem 11.
(2) Problem 12.
(3) Problem 19.
(4) Problem 30.
(5) Problem 39.