

Physics 112-01—General Physics II: Electricity, Magnetism, and Optics  
Homework Assignment #3  
Due Friday, February 11, 2022, 1:10 p.m.

## 1 Mastering Physics

Do the on-line assignment “HW #03.”

## 2 Pencil-and-Paper Problems

Do the Pencil-and-Paper problems.

**Ch 16:** 16.63 (30 pts.)

**Ch 17:** 17.51 (30 pts.)

Please write *neatly* and show your work *clearly*. I need to be able to follow your reasoning. Homework that is incomplete or difficult to understand will not get full credit. Submit these problems via <https://www.gradescope.com>.

### Academic Honesty

If you get bogged down with any of the problems, do not hesitate to discuss them with your instructor or with a fellow student. However, if you discuss a problem with *anyone* (besides your instructor) you should acknowledge that collaboration. Please see the Academic Honesty policy for more information about appropriate and inappropriate collaboration.