

**Physics 112-01—General Physics II: Electricity, Magnetism, and Optics**  
**Homework Assignment #6**  
**Due Friday, March 11, 2022, 1:10 p.m.**

## 1 Mastering Physics

Do the on-line assignment “HW #06.”

## 2 Pencil-and-Paper Problems

Do the Pencil-and-Paper problems.

**Ch 21:** 21.67 (20 pts.) and 21.77 (20 pts.)

For Problem 21.67, if the only relevant position is  $\pm\infty$ , say so explicitly. For the graphs in 21.67 part (c), simple qualitative hand-sketches are perfectly fine.

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.