

Physics 430: Problem Set #5

Due Monday, March 15, 2010, 1:00 pm (in class)

- Please read Chapter 2.
- All problems are from David Griffiths: Introduction to Electrodynamics, 3rd Edition.
 1. Page 82, Problem 2.21.
 2. Page 87, Problem 2.27.
 3. Page 101, Problem 2.36 (a), (b), (c).
 4. Page 106, Problem 2.39 (Capacitance is defined as $C = \frac{Q}{V}$, where Q is the charge, and V is the potential difference between two plates).
 5. Page 106, Problem 2.42;