

Lecture 3

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 708 – 710 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quiz 23.5
 - 2) Book Conceptual Questions (p. 716): 6 and 7
 - 3) Book Problems (p. 716): 37 and 42

Goals for the Lecture:

- 1) Be able to calculate electric fields from continuous charge distributions (1 – D only)
- 2) Understand electric field properties and how they are represented by electric field lines

Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 23: Objective Questions: 13

Ch 23: Problems: 42, 45, 47, and 49

Continue with the additional recommended study problems from chapter 23