Physics 116C **Homework Set #4** **Fall 2011**

DUE: TUESDAY October 25, 2011

To receive full credit, you must exhibit the intermediate steps that lead you to your final results. Computer plots are optional.

1. Boas, p. 606, problem 12.21–13

2. Boas, p. 612, problem 12.22–5

3. Boas, p. 612, problem 12.22–8

4. Boas, p. 612, problem 12.22–15

5. Boas, p. 614, problem 12.22–26

6. Boas, p. 614, problem 12.22–27

7. Boas, p. 618, problem 12.23–27

8. Boas, p. 620–621, problem 13.1–2 (a) and (b)

9. Boas, p. 626, problem 13.2–4

10. Boas, p. 627, problem 13.2–6

11. Boas, p. 627, problem 13.2–13

12. Boas, p. 627–628, problem 13.2–14