**Physics 116A** **Homework Set #1** **Winter 2010**

*DUE: TUESDAY JANUARY 12, 2010*

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

1. Boas, problem 1.1–12

2. Boas, problem 1.2–6

3. Boas, problem 1.4–3

4. Boas, problem 1.4–7

5. Boas, problem 1.5–7

6. Boas, problem 1.6–5

7. Boas, problem 1.6–15

8. Boas, problem 1.6–25

9. Boas, problem 1.6–34

10. Boas, problem 1.7–5

11. Boas, problem 1.9–22

12. Boas, problem 1.10–8

The $n$th problem in Boas from section $a.b$ is designated by $a.b$–$n$.