

September 3, 2003

**I. PROBLEM SET 1**

- 1) Chapter 1. Problem 1 using sp states in the  $\{|\mathbf{p}, m_s\rangle\}$  representation.
- 2) Chapter 1. Problem 2.
- 3) Chapter 2. Problem 2 but only do (2.24) for  $\alpha = \beta$ .
- 4) Chapter 2. Problem 6.

Turn these problems in on Wednesday, September 10.