Physics 221A
Fall 2010
Homework 12
Due Friday, November 19, 2010 at 5pm

Reading Assignment: Notes 18, Notes 19, pp. 1–5. Relevant pages in Sakurai, *Modern Quantum Mechanics*, Revised Edition, are 232–242, 248–256. In Sakurai and Napolitano, *Modern Quantum Mechanics* 2nd edition, the pages are 246–255, and 262–273. We will deal with the projection theorem later, and we will skip the $SO(4)$ symmetry in hydrogen.

Please do problems 18.1, 18.2, 18.3.