

**Physics 221A**  
**Fall 2016**  
**Homework 8**  
**Due Friday, October 28, 2016**

**Reading Assignment:** Notes 14, Secs. 5–14; Notes 15; Notes 16, Secs. 1–5. Commins covers magnetic resonance in Sec. 7.6, orbital angular momentum in Sec. 7.7, and the radial Schrödinger equation in Sec. 8.3.

**Note:** This homework is due in two weeks, since there is no class the week of Oct 17–21.

Please do Problems 14.1, 15.1, 15.2, 16.1.