

**Physics 221A**  
**Fall 2016**  
**Homework 10**  
**Due Friday, November 11, 2016**

**Reading Assignment:** Notes 18, Notes 19, Secs. 1–12. Notes 17 are just an empty place holder for some notes on hydrogen that I plan to write later. Additional reading: Commins covers the addition of angular momentum in Sec. 7.8 of his book, irreducible tensor operators (which we just got to in Thursday's lecture) in Sec. 7.9, and central force potentials and the hydrogen atom in Chapter 8.

Please do Problems 18.1, 18.2, 19.1.