

**Physics 221A**  
**Fall 2017**  
**Homework 5**  
**Due Friday, September 29, 2017**

**Reading Assignment:** Notes 9, Secs. 1–9 (skip the rest of those notes); Notes 10, Secs. 1–6. Supplementary reading: Commins, Sec. 6.14. Commins does not cover the motion of charged particles in uniform magnetic fields, nor the concept of the Planck cell.

Please do Problems 9.1, 9.2 and 10.3.