

## Homework #5

due Tuesday, October 1

### Exercises from Strang:

Problem Set 3.2 #4, 5, 14, 17, 20, 21<sup>1</sup>, 22, 33, 41

Problem Set 3.3 #4, 5, 10, 16, 22<sup>2</sup>, 33

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<sup>1</sup>Hint: see Question 4

<sup>2</sup>Note:  $B$  here is a vector, not a matrix!