Math 19620/20 Homework 5
Due: Thursday, November 8, 2018, at **5:00pm** in my mailbox in the basement of Eckhart
(You can also give it to me in class on Thursday if you prefer.)

Please present your solutions clearly and in an organized way. Think of it this way: if you
show it to another student in this class, he/she should be able to understand it without
needing to ask you questions.

October 30

Goals:

- Identifying redundant vectors

Exercises 3.2:

- 11, 13, 15, 19, 23, 24, 34

November 6

Goals:

- Understand the concepts of linear independence and nontrivial relations

- Using rref to find a basis for the kernel and image

Exercises 3.2:

- 36, 37

Exercises 3.3:

- 21, 23, 25, 27, 29 (please use a calculator or Wolfram Alpha to find the rref)