Last name _____

First name _____

LARSON—MATH 511—HOMEWORK WORKSHEET 08
Strang's Lectures—Notes and Questions

1. Read **Sec. 1.9** of our book.
2. Watch Prof Strang's **Lecture 7**.

   https://ocw.mit.edu/courses/18-065-matrix-methods-in-data-analysis-signal-processing-and-machine-learning-spring-2018/resources/lecture-7-eckart-young-the-closest-rank-k-matrix-to-a/
3. Write up *useful notes* for Prof Strang's lecture.
4. Write at least two questions about what you didn't understand. Write these maximally clearly—so that an advanced student (who has had a semester of linear algebra) *not* in our class might understand your question.

   Is your question about a definition of a term that he uses? If so, is the term defined in our book? Write out the relevant definition and an example.
5. Your **Notes and Questions** can be handwritten, done in LaTeX, WORD, etc, but you need to make a **pdf** of your final product (somehow).
6. Then email me your notes with an email subject that mentions the class and assignment (for instance, "MATH 511 h08 attached").

More

All of Prof Strang's course lectures are here:

https://ocw.mit.edu/courses/18-065-matrix-methods-in-data-analysis-signal-processing-and-machine-learning-spring-2018/video galleries/video-lectures/