Linear Algebra 2270-2
Due in Week 4

The fourth week continues the work from chapter 2. Here's the list of problems, followed by problem notes and a few answers.

Section 2.4. Exercises 2, 5, 22, 24

Section 2.5. Exercises 1, 7, 8, 14, 15, 22, 24, 40

Section 2.6. Exercises 6, 12, 15, 23

Problem Notes

Resolution of issues for Strang's problems will appear here in response to communications. If there is a difficulty, like a missing definition, incomplete information, or just no way to get started, then please write email, call 581-6879, or visit JWB 113.

Some Answers

2.4. All exercises 2, 5, 22, 24 have a textbook answer.

2.5. Exercises 1, 7, 8, 14, 15, 22, 24 have a textbook answer.

2.5-40. The inverse of $A = \begin{pmatrix} 1 & -a & 0 & 0 \\ 0 & 1 & -b & 0 \\ 0 & 0 & 1 & -c \\ 0 & 0 & 0 & 1 \end{pmatrix}$ is $A^{-1} = \begin{pmatrix} 1 & a & ab & abc \\ 0 & 1 & b & bc \\ 0 & 0 & 1 & c \\ 0 & 0 & 0 & 1 \end{pmatrix}$. See also the cofactor formula for the inverse in 5.3.

2.6. All exercises 6, 12, 15, 23 have a textbook answer.