

Math 309 A-C - Homework 1

Due 4 October 2013

1. Sign up for our class on Piazza.com.
2. Figure out how to compute the reduced row echelon form of the matrix

$$A = \begin{pmatrix} 4 & 3 & 1 & 4 & 9 & 1 \\ 3 & 2 & -2 & -1 & -1 & 2 \\ 1 & 3 & 3 & 2 & -4 & 3 \\ 0 & 0 & 1 & 2 & -3 & 5 \end{pmatrix}$$

on `cloud.sagemath.com`. This problem is as much about reading documentation and familiarizing yourself with SAGE as with anything else. Print your results out and turn them in with the rest of the homework.

3. Section 7.2: 2, 3, 4, 7.e, 9, 13, 19, 21, 22, 25.
4. Section 7.3: 1, 7-9, 12-15, 19, 22, 25-31.