

MATH 311 Advanced Linear Algebra

Homework 2

Basic Information

This assignment is due in the correct folder in Google Drive by **4 PM on Friday, February 7**. Any part of the assignment you LaTeX can be turned in by 10 PM without penalty.

Make sure you understand MHC [honor code](#) and have carefully read and understood the additional information on the [class syllabus](#) and the [grading rubric](#). I am happy to discuss any questions or concerns you have!

Problems

- 1. P.1.3**
- 2. P.1.5** Remember, to prove two sets are equal to each other (like $A = B$) you need to show “double containment”: show that each $a \in A$ is also in B and then show each $b \in B$ is also in A .
- 3. P.1.10**
- 4. P1.13**
- 5. P.1.27**
- 6. P.1.34**
- 7.** The JupyterHub and Python Info Sheet will soon be updated with some more information about how to do row reduction in Python. This problem will have you use a package called sympy to do row reductions. I will add more information by Monday!