

V63.0140-3: Linear Algebra. Homework 5

due Thurs Oct 9 at start of lecture

Do give explanations, and try to be as clear and concise as you can with the ‘proof’ questions.

2.3:

- 13. (give explanation. You can use the Invertible Matrix Theorem if you want)
- 27. (state which part(s) of the Invertible Matrix Theorem you use).
- 33.

2.5

- 2. (make sure your two ways of solving agree!)
- 7.
- 10.
- 19.
- 25.

2.6

- 1.
- 2.
- 5. (make sure your “1/determinant” factor is a nice round number!)

3.1

- 1.
- 2.
- 37.
- 38. (Bonus: what if A were a $n \times n$ matrix?)