

V63.0140-3: Linear Algebra. Homework 4

due Thurs Oct 2 at start of lecture

Try to be as clear and concise in your explanations as you can.

2.1:

15.

23.

33.

2.2

3.

6.

9. (read carefully!)

12.

15.

22.

23.

33. Only prove that $AB = I$; you don't need to do the other way round. (Hint: you can give an explanation in words rather than equations if you want. Explain what happens to give elements a) on the diagonal, b) above the diagonal, and c) below the diagonal).

2.3

2.

5.

11.

15.

18.

20.