

Homework #3

Math 2010

Due February 15

All problems should be worked out on your own paper showing all necessary steps required in obtaining the solution. Note: It is possible to check some of your answers using Matlab (although *not* required). To find the inverse of a matrix A in Matlab, first define the matrix in Matlab as on the first assignment. Then use $inv(A)$.

1. (2 points) Section 1.5, Number 16
2. (1.5 points) Section 1.5, Number 22
3. (2 points) Section 1.5, Number 28
4. (2 points) Section 1.4, Number 30
5. (1 point) Section 1.4, Number 34
6. (1.5 points) Section 1.6, Number 2