Homework #4

Math 2010

Due March 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 2.3, Number 20
2. (1 points) Section 2.3, Number 31
3. (0.5 point) Section 3.1, Number 6a
4. (1.5 points) Section 3.1, Number 12
5. (2 points) Section 3.1, Number 14
6. (1 point) Section 3.1, Number 16
7. (2 points) Section 3.1, Number 22