

**MATH 2360: Linear Algebra**  
**Fall 2009 – Section 004**

Problem Set 1: Due September 10<sup>th</sup> Thursday, 2009

*Exercises for Chapter 1.1 (page 11 – 13)*

- 1 (a), (c)
- 2 only for (a) and (c)
- 3 all parts
- 4 only for (c) and (d)
- 5 (b)
- 6 (d) – You are required to do this in two ways as described in
  - (i) example 3 (page 7)
  - (ii) example 4 (page 9)
- 7

*Exercises for Chapter 1.2 (page 25 – 30)*

- 1 all parts
- 2 all parts – Just say if the system is consistent and how many solutions are there (no need to find the solution)
- 3 (a), (b) and (c) – Find the solutions if possible. If not, indicate so.
- 5 (a), (h) and (j)
- 6 (a)
- 8
- 11

*Exercises for Chapter 1.3 (page 57 – 61)*

- 1 (c) and (d)
- 2 all parts
- 3 No need to do the actual multiplication
- 4 No need to solve them. Just write the matrix equation
- 10
- 13
- 14 all parts
- 15

*Exercises for Chapter 1.4 (page 69 – 72)*

- 1 all parts
- 3 all parts
- 5
- 6
- 7
- 11
- 21

***Reminder:***

[http://netra.math.ttu.edu/ghosh/M2360\\_004\\_F09.html](http://netra.math.ttu.edu/ghosh/M2360_004_F09.html)

If you find it hard to remember/type it in do the following:

1. Go to [netra.math.ttu.edu](http://netra.math.ttu.edu)
2. Click the “[Personnel](#)” button
3. Click the link “[Bijoy K. Ghosh](#)”
4. Click the appropriate link for the class web page

**Everything regarding this course will be posted there!**