Homework # 1 (Due March 13, 2008)

1. Make these matrixes using MATLAB. You should use 'if' and 'for'

	9	8	7	6	5	4	3	2	1	[1	2	3	4	5	6	7	8	9]
	8	9	8	7	6	5	4	3	2		2	3	4	5	6	7	8	9	8
	7	8	9	8	7	6	5	4	3		3	4	5	6	7	8	9	8	7
	6	7	8	9	8	7	6	5	4		4	5	6	7	8	9	8	7	6
$\mathbf{A} =$	5	6	7	8	9	8	7	6	5	$\mathbf{B} = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$	5	6	7	8	9	8	7	6	5
	4	5	6	7	8	9	8	7	6		6	7	8	9	8	7	6	5	4
	3	4	5	6	7	8	9	8	7		7	8	9	8	7	6	5	4	3
	2	3	4	5	6	7	8	9	8	:	8	9	8	7	6	5	4	3	2
	1	2	3	4	5	6	7	8	9	9	9	8	7	6	5	4	3	2	1

- 2. Find amicable numbers between 1 and 10000 using MATLAB. (Hint: There are five couples.)
- 3. Solve Ex.2.1 in MATLAB page 46 by using MATLAB. (The objective of this problem is to make students familiar with MATLAB). You should read Chapter 1 before you solve Ex. 2.1.
 - (a) You should turn in your MATLAB code.
 - (b) Plot Fig. 2.2.

* Remark:

- 1) All homework should be turned in to the instructor every Thursday unless instructed otherwise.
- 2) Delay penalty: On the same day after the class: -10%

One-day delay: -20%

Two-day delay: -50%

Three-day delay: -100%

Delayed homework must be submitted to TA (이일규, Room 301-1318, Tel: 880-1688).

3) Do not use a cover sheet; just write your name and student ID number on the right upper corner of the first page.