Homework Assignment #3

Due date -- Sep. 27, 2012 (Thu), in class.

*Note: If you are enrolled to the honors section (314-200), write “HONORS” next to your name on the cover page*

**Problem 1.** Convolution
Solve problems 2.21 (c), (d) and 2.22 (b), (c) in the textbook.

**Problem 2.** Convolution with Periodic Impulse Train
Solve problems 2.23 (a), (b) in the textbook.

**Problem 3.** Discrete-Time LTI System
Solve problem 2.24 in the textbook.

**Problem 4.** LTI Systems Described by Difference Equations
Solve problem 2.32 in the textbook.

*(Honors Only) Problem 5.** Stable Systems
Solve problem 2.49 in the textbook.