Homework Assignment #5

Due date – Oct. 18, 2012 (Thu), in class.

Problem 1. The $z$-transform.
Solve problem P3.3 in the textbook.

Problem 2. The $z$-transform.
Solve problem P3.4 (a), (b), (c), (d) in the textbook.

Problem 3. Convolution and $z$-transform.
Solve problem P3.7 in the textbook.

Problem 4. Convolution and $z$-transform.
Solve problem P3.8 in the textbook.

*Hint: To determine the $z$-transform of $y[n]$, first find the difference $y[n] - y[n-1]$. *