DSP Spring 2009

HW #6 (120%) Due: 06/12

[MATLAB EXERCISE]

1. (15%) [Textbook] **8.29**
   (1) (10%) Use the IDFT/IFFT of the multiplication of the DFT/FFT of the two sequences to calculate the circular convolution.
   (2) (5%) Compare the result of the circular convolution to the result of the linear convolution of these two sequences.
2. (10%) [Textbook] **8.42** (Note: You can define the amplitude of h[n] or any parameters in your Matlab implementation.)

[TEXTBOOK PROBLEMS]

3. (20%) 7.51
4. (15%) 8.37
5. (20%) 8.47
6. (15%) 8.50
7. (25%) 8.64