

**EE 451****Homework #7**

Due October 8, 2001

1. Problem 4.15. Note: This problem is simple. You do not need to convolve  $x[n]$  with  $h[n]$ , nor do you need to find the  $z$ -transforms of  $x[n]$  and  $h[n]$ .
2. Problem 4.19. Hint: How many zeros will the filter have? What must the location of the zeros be?
3. Problem 4.30.
4. Problem 4.31.
5. Problem 4.35.