

## Homework #11 Due Friday May 5 (last one!):

1. For each of the two recursion relations below, find the general solution:

(a)  $y_t + 12y_{t-1} + 11y_{t-2} = 24$

(b)  $y_t - 7y_{t-1} + 12y_{t-2} = 3$

For equation (b) find the particular solution that satisfies  $y_0 = 7/2$ ,  $y_1 = 21/2$ .

2. Do the following two problems from the review sheet: #10 on last semester's final exam (L10), and R8.