

## 24-352 DYNAMIC SYSTEMS AND CONTROL

HOMEWORK ASSIGNMENT #8

DUE 3/14/01

1. In problems 5.7, 5.11 and 5.12 from the textbook use the impedance approach to determine the output voltage  $e_0(t)$  if the input voltage is  $e_1(t) = V_0 H(t)$ , where  $H$  is the Heaviside step function. Note you can use the results from last week.
2. Problems from the textbook. 5.34, 5.37 (you can use Laplace transforms if it is helpful).