

Desk Copy

ECE 301
Fall Semester, 2002
HW Set #9

Due: October 31, 2002
wlg

Name _____
Print (last, first)

Use engineering paper. Work only on one side of the paper. Use this sheet as your cover sheet, placed on top of your work and stapled in the top left-hand corner. Number the problems at the top of the page, in the center of the sheet. **Do neat work. Underline your answers. Show how you got your equations. Be sure to show how you got your answers.**

9.1 The switch in the following network opens at $t = 0$. Find $i(t)$ for $t > 0$. Sketch the waveform. Use MATLAB to plot $i(t)$ and include the plot with your solution. Part answer: $i(t) = Ae^{-2t} + Be^{-5t}$.

