Due: September 26, 2002   Name _____
wlg (wlg@utk.edu)   **Print (last, first)**

<u>All the problems on this set are to be submitted for grading</u>. 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.** Each problem counts 10 points. **<u>Be sure to show how you got your answers.</u>**

4.11 $W_{1F} = 72 \text{ J}$, $W_{1H} = 50 \text{ J}$, $W_{2H} = 4 \text{ J}$, $W_{2F} = 576 \text{ J}$

4.14 $i_L(15\mu s) = -13.67 \text{ mA}$

4.25 $V_{avg} = -4V$, $V_{rms} = 6.4 \text{ V}$

4.26 $i_{rms} = 6.12 \text{ A}$, $P_{1\Omega} = 37.5 \text{ W}$

4.28 $i_{rms} = 1.15 \text{ A}$