Due: September 12,2002　　　　　　　　　　**Name** _____
wlg (w lg@utk.edu　　　　　　　　　　　　　**Print (last, first)**

You should work all of the following problems from the text. The problems with an asterisk are to be turned in for grading. 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. **Be sure to show how you got your answers.**

3.3 i_1 = -0.5 A,　　i_2 = -0,=.5 A

3.7v_1 = 1.125 V, v_2 = 0.75 V, I = 3.75 A

* 3.14 i_a = 127.5 mA, I_b = -67.8 mA, I, = 41.6 mA, V_{R4} = -1.09 mV

* 3.20 **A, = -0.04**

3.21V_{R1} = 429.5 V, V_{R2} = - 422.2 V, V_{R3} = 852 V

* 3.33V_R = 5.99 v

3.48R_T = 52 ohms, V_{os} = 12.8 V,   I,, = 246 mA

3.5 1 voltage decreases by 16.33 V

3.54R_{eq} = 188.2 ohms

* 3.55 **(a) R_{TH} = R_{EQ} = 0.288 ohms,**　　　**(b) V_{TH} = 11.37 v**