HOMEWORK ASSIGNMENT 6

HOMEWORK DUE FEBRUARY 24, 2003 BEFORE CLASS:

1. Textbook Problem 5.6 a) –3.1mA
2. Textbook Problem 5.12 a) –4V, b) –2.5V $\leq v_b \leq$ -1.3V
3. Textbook Problem 5.20 a) 6.4µW, b) 0.4µW, c) 16
4. Textbook Problem 5.27 a) 4.2V, b) –771mV $\leq v_C \leq$ 1371mV
5. Textbook Problem 5.38: a) $v_O = -9v_g/(1+10/A)$ (b) –3.24V, c) –3.60V, d) 190
   Note that this operational amplifier in non-ideal
6. Textbook Problem 6.7: a) $A_1 = 0.175A$, $A_2 = -0.125$, b) t = 152.43 µs
7. PSPice Problem 2: Solve the Textbook Design Problem 5.30

Check the Web Site for general update and hints on homework