

**Homework Assignment No. 7**

Due Friday, February 28, 2003 in class

Problem 1 - (10 points)

Problem 6.4-2 of AH

Problem 2 – (10 points)

Problem 6.5-13 of AH

Problem 3 – (10 points)

Problem 6.15 of GHLM

Problem 4 – (10 points)

Problem 6.26 of GHLM

Problem 5 – (10 points)

Problem 6.27 of GHLM. You are not required to do the parts of the problem that refer to temperature variations. In spice simulations, assume the following model parameters for the transistors:

NPNs            BF=250, IS=5E-15, VAF=130

PNPs            BF= 50, IS=2E-15, VAF=152