Massachusetts Institute of Technology
6.101 Analog Electronics Lab
Spring 2007
Problem Set 4
Due Wednesday, March 14, 2007

Refer to Chapters 9 of *Circuit Analysis and Design, 3rd Edition*
by Donald Neamen and *Operational Amplifier Circuits: Design and Application* for text
that supports this problem set.
Remember to use 5% standard resistor values. Assume V_T=26mV

Problem 1.   Operational Amplifier Circuits: Design and Application: Problem 3.6

Problem 2.   Operational Amplifier Circuits: Design and Application: Problem 4.11

Problem 3.   Operational Amplifier Circuits: Design and Application: Problem 4.12

Problem 4.   Neamen 9.45 (2nd ed: 9.31). Set all resistors equal to R (i.e. change the 2R in the two feedback resistors to R).

Problem 5.   Neamen 9.74 (2nd ed: 9.54).