

University of Portland
School of Engineering

EE 261
Fall 2012
A. Inan

Homework # 5—Operational Amplifiers

(Assigned on October 12, 2012; Due date: October 24, 2012, 1:35p.m.)

These problems are assigned from *Introduction to Electric Circuits* by Dorf/Svoboda (John Wiley, 8th edition, 2010, ISBN# 978-0-470-52157-1, pages 242-256):

P 6.3-1. Ideal operational amplifier.

P 6.3-3. Ideal operational amplifier.

P 6.3-7. Two-stage operational amplifier.

P 6.3-14. Two-stage operational amplifier.

P 6.4-8. An op amp circuit.

P 6.4-9. Node voltages in an op amp circuit.

Please follow these guidelines for providing your homework solutions:

- 1) On the first sheet, at the top, indicate in the middle that this is EE 261/Fall 2012/HW #5 Solutions and provide your full name on the right upper corner of the sheet.
- 2) Solve each problem on a separate sheet unless there is a solution which is very short.
- 3) Do not use the back of the sheets unless you have to.
- 4) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time. The solutions for each homework assignment will be provided as a separate handout on the due date.