

EECS 210
Introduction to Electrical Engineering I

Fall 2000

Hwk Assignment 5: Due Wed. Oct. 11, 2000

Reading: Sec. 2.5, 4.3, 5.1-5.6.

Do the following exercises out of the Nilsson and Riedel textbook. Note that some of these problems require you to solve three simultaneous equations for which you should use matlab or other computer aided solution.

1. Ex 4.6
2. Ex 4.22 (Exercise differs in revised and first printing of NR).
3. Ex 4.26
4. Ex 4.37
5. Ex 4.58

Also find the Norton equivalent.

6. Ex 4.66 Find R_{Th} in two ways: (1) by finding i_{sc} , (2) by turning off all the **independent** sources, applying a test voltage to terminals a,b, and finding current through these terminals.
7. Ex 4.70

Also Find the Norton equivalent.