

**CASE WESTERN RESERVE UNIVERSITY**  
Case School of Engineering  
Department of Electrical Engineering and Computer Science

**ENGR 210. Introduction to Circuits and Instruments (4)**

**Homework Set No. 3**

References: [T&R4] sections 2-5, 2-6

Issued 1/28/04

Due 2/4/04

**EQUIVALENT CIRCUITS**

1) (5 pts) Problem 2-28, p. 61. Equivalent resistances.

2) (5 pts) Problem 2-34, p. 62. Source transformations.

**VOLTAGE AND CURRENT DIVISION**

3) (5 pts) Problem 2-44, p. 63.

**COMBINED CONSTRAINTS**

4) (5 pts) Problem 2-52, p. 63.

5) (5 pts) Problem 2-54, p. 63.

**NOTE: Please put section code AND your CWRU e-mail next to name at top of page.**

Section codes are

MA (Monday Afternoon)

ME (Monday Evening)

TA (Tuesday Afternoon)

TE (Tuesday Evening)

WA (Wednesday Afternoon)

WE (Wednesday Evening)