

CASE WESTERN RESERVE UNIVERSITY
Case School of Engineering
Department of Electrical Engineering and Computer Science
SPRING 2005
ENGR 210. Introduction to Circuits and Instruments (4)

Homework Set No. 3

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

Issued 1/26/05

Due 2/2/05

EQUIVALENT CIRCUITS

- 1) (5 pts) Problem 2-30, p. 61. Equivalent resistances.
- 2) (5 pts) Problem 2-34, p. 62. Source transformations.

VOLTAGE AND CURRENT DIVISION

- 3) (5 pts) Problem 2-48, p. 64.

COMBINED CONSTRAINTS

- 4) (5 pts) Problem 2-52, p. 64.
- 5) (5 pts) Problem 2-53, p. 65.

NOTE: Please put section code 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)