

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. 5

References: [T&R4] sections 3-3, 3-4

Issued 2/11/04

Due 2/18/04

LINEARITY - PROPORTIONALITY

1) (5 pts) Problem 3-22, p. 132.

2) (5 pts) Problem 3-23, p. 132.

LINEARITY - SUPERPOSITION

3) (5 pts) Problem 3-28, p. 133.

4) (5 pts) Problem 3-29, p. 133.

THEVENIN & NORTON EQUIVALENT CIRCUITS

5) (5 pts) Problem 3-40, p. 134. Find the Thevenin equivalent for part (a).

6) (5 pts) Problem 3-44, p. 135. Hint for (d). What happens for $V \geq 10$ volts?

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)