

# Basic Electrical Circuits Reviewer

## Ohm's Law

The fundamental relationship:  $V = IR$ .

## Circuit Elements

Characteristics and behavior of R, L, and C components in AC and DC circuits.

## Kirchhoff's Laws

Applying KVL and KCL for voltage and current analysis in complex networks.

## Analysis Techniques

Mastering Thevenin's and Norton's theorems for circuit simplification and equivalent models.

The reviewer includes numerous sample problems, complete with detailed step-by-step solutions and clear circuit diagrams, facilitating mastery of essential circuit theory concepts.