Note Taking Guide: Episode 904

Parallel circuit:
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Parallel circuit:

- Current

Equation:

- Voltage

Equation:

- Equivalent Resistance


## Equation:

Examples - What is the equivalent resistance of: two $10 \Omega$ resistors in parallel?
two $8 \Omega$ resistors in parallel?
three $9 \Omega$ resistors in parallel?
a $60 \Omega$, a $30 \Omega$, and a $20 \Omega$ resistor connected in parallel?

Problem Set \#1: (1-3) (Work on back.)

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Example:


$$
R_{e q}=\ldots V_{T}=\ldots \quad I_{T}=
$$

$$
V_{1}=\ldots \quad V_{2}=\ldots \quad V_{3}=
$$

$$
I_{1}=\ldots I_{2}=\ldots I_{3}=.
$$

$\qquad$

Problem Set \#2:
$R_{\text {eq }}=\ldots \quad I_{T}=\ldots \quad V_{1}=$ $\qquad$
$V_{2}=$ $\qquad$ $I_{2}=$ $\qquad$


Problem Set \#3:

$V_{1}=\quad V_{2}=\quad \quad I_{1}=$
$I_{T}=\quad I_{2}=\quad R_{2}=$

