Ohm's Law  

$$E = IR$$

$$I = \frac{E}{R} \quad R = \frac{E}{I}$$
Alternating Current  

$$E_{RMS} = \frac{1}{\sqrt{2}} \quad E_P = \sqrt{2} \quad E_{RMS}$$

$$E_P = \frac{1}{\sqrt{2}} \quad E_P \quad E_P = \sqrt{2} \quad E_{RMS}$$

$$E_P = \frac{1}{\sqrt{2}} \quad E_{PP} \quad E_{PP} = 2E_P$$
Series & Parallel  

$$N_{\text{Total}} = N_I + N_2 + \dots + N_n \quad N_{\text{Total}} = \frac{1}{\frac{1}{N_I} + \frac{1}{N_2} + \dots + \frac{1}{N_n}}$$
Transformers  

$$\frac{E_P}{E_S} = \frac{N_P}{N_S} = a \qquad a = \sqrt{\frac{Z_P}{Z_S}}$$