

Current, Voltage, Resistance

Complete the following problems and attach in your notebook

Voltage=120V Resistance= 50 ohms (Ω) $I=V/R$ $I= 120 \text{ V} / 50 \text{ ohms}$ $I=$	Current = 100 amps Resistance= .000198 Ω	Voltage=12 V Current = 25 amps
Voltage = 9 V Current = 2 amps	Voltage=12 V Resistance = 25 Ω	$I = 250 \text{ amps}$ $R = .000209 \Omega$
$I = 500 \text{ amps}$ $R = 50 \Omega$	Potential Difference = 2000 V $I = 1,000,000 \text{ amps}$	$V = 240 \text{ V}$ $R = 50 \Omega$
$I = 100 \text{ amps}$ $R = .000344 \Omega$	$V = 120 \text{ V}$ $R = 100 \Omega$	Potential Difference = 120 V $I = .8 \text{ amps}$