Answer on Question #46000, Physics, Electromagnetism

A battery has emf 13.2V and internal resistance 24m. If the load current is 20.0A, find the terminal voltage o f the battery

According to the Ohm law we have :

$$U(R) = E - I \cdot r = 13.2\,V - 20.0\,A \cdot 0.024\,Om = 13.2\,V - 0.48\,V = 12.72\,V$$