Solution:
Given:
$\varepsilon=13.2 \mathrm{~V}$
$r=24 \mathrm{~m} \Omega$
$I=20.0 \mathrm{~A}$
Find:
V-?
Let use Ohm's law for closed with electromotive force

$$
\frac{\varepsilon}{R+r}=I
$$

The terminal voltage of the battery is

$$
U=\varepsilon-I r=13.2-20 \cdot 0.024=12.72 \mathrm{~V}
$$

Answer: 12.72 V
http://www.AssignmentExpert.com/

