

Name: _____

Date: _____

Find the unknown:

1. $V = 12.0 \text{ V}$ $I = 105 \text{ A}$ $R = ?$

$$R = \frac{I}{V} = \frac{105 \text{ A}}{12.0 \text{ V}} = 8.75 \Omega$$

(final answer has 3 sig fig)

2. $I = 45 \text{ A}$ $R = 1.2 \Omega$ $V = ?$

3. $V = 85.0 \text{ V}$ $R = 0.250 \Omega$ $I = ?$

4. $V = 12.0 \text{ V}$ $I = 105 \text{ A}$ $R = ?$