MANITOBA PHYSICS 40S · UNIT C · 5 QUESTIONS

Electricity — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Downtown Anchorage skyline with the Chugach Mountains behind, across the water. A voltage of 48 volts is applied across a resistor of 2 ohms. The current, in amperes, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A voltage of 24 volts drives a current of 3 amperes. The resistance, in ohms, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Resistors of 4 ohms, 7 ohms, and 8 ohms are connected in series. The total resistance, in ohms, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two equal resistors of 10 ohms are connected in parallel. The total resistance, in ohms, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A device runs at 6 volts with a current of 4 amperes. The power, in watts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 24
2. 8
3. 19
4. 5
5. 24

© 2026 Brett Robbins. All Rights Reserved.