



NAME:

441

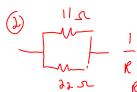
 $R_1 = 11.0 \ \Omega$ -WV-

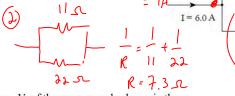
 $R_2 = 33.0 \Omega$

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circuit. What is the current through resistor R_1 ? $I = V = V^4 V$ 1. The diagram below shows part of an electrical

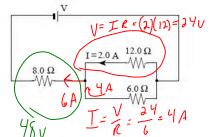






- R=225L 22 SL

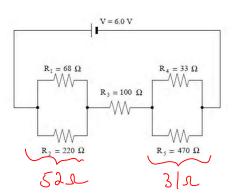
2. What is the voltage, V, of the power supply shown in the



3. What is the total resistance of the circuit? What is the current through the 100 Ω resistor?

$$R_{7} = 52 + 100 + 31 = 183 \Omega$$

$$I7 = \frac{V}{R} = \frac{6.0 \text{ N}}{183 \Omega} = .033 A = 33 \text{ mA}$$



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