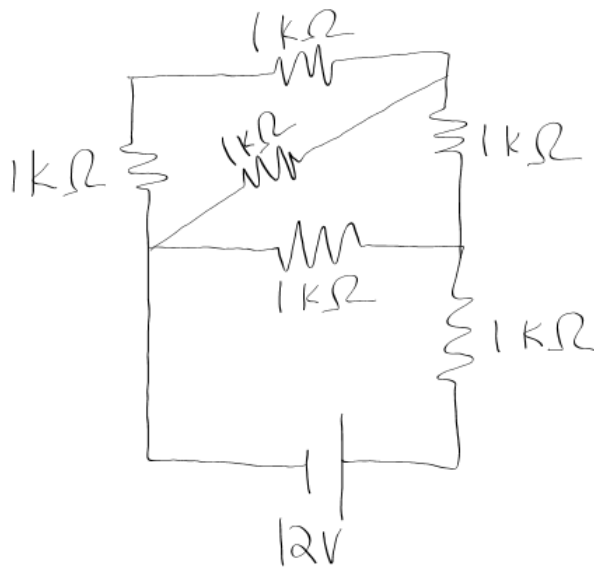# Solving Circuits with Ohm's Law and Kirchhoff's Rules
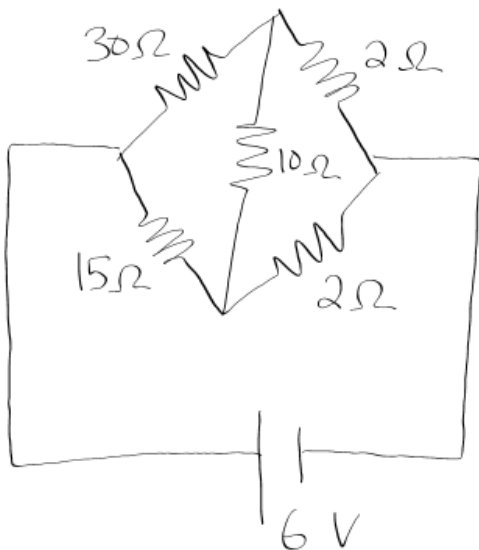## *Physics*

All problems taken from the textbook, "Physics" by Giancoli 2nd Edition

1. Two resistors when connected in series to a 120V power source draw one-fourth the current that is used when they are connected in parallel. If one resistor is 2.8 kOhms, what is the resistance of the other?

2. What is the net resistance of the circuit below?



3. Determine the current through each of the resistors in the circuit below.

4. Determine I1, I2, and I3 in the circuit below.