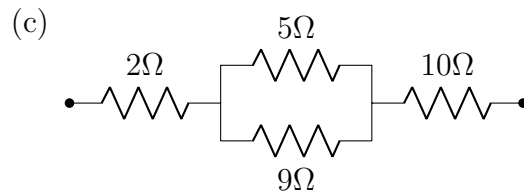
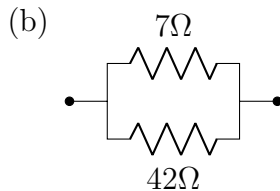
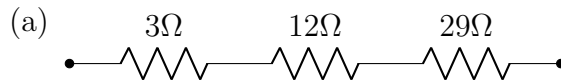


Quiz

1. Write the three variations of Ohm's law.
2. Write the three variations of the power equation.
3. Write Power in terms of I and R.
4. Find the total resistance of the following:



5. In the previous problem define each of the given circuits (series, parallel, or series-parallel).
6. What is the formula for calculating total resistance of four resistors in parallel?
7. What is the formula for calculating total resistance of three resistors in series?
8.
 - (a) What is the voltage commonly supplied to residential buildings?
 - (b) What voltage is it stepped down to?
 - (c) What component steps down the voltage?
9. What is measured by placing a meter across a load?
10. Why should you make sure the circuit is turned off when checking resistance with an ohmmeter?