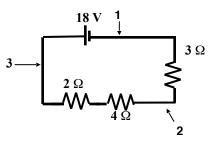
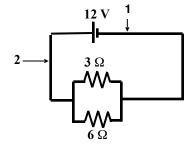


Electric Current # _____ Name _

1. Answer the following questions about the Series circuit.

- a. What is the voltage leaving the battery?
- b. What is the total resistance of the circuit?
- c. What is the current that goes past #1?
- d. How much current goes through the 3 Ω resistor?
- e. How much voltage is used by the 3 Ω resistor?
- f. What is the current that goes past #2?
- g. How much current goes through the 4 Ω resistor?
- h. How much voltage is used by the 4 Ω resistor?
- i. How much current goes through the 2 Ω resistor?
- j. How much voltage is used at the 2 Ω resistor?
- k. How much current goes through #3?
- 2. Answer the following questions about the Parallel circuit.
- a. What is the voltage leaving the battery?
- b. What is the total resistance of the circuit?
- c. What is the current that goes past #1?
- d. How much voltage is used by the 3 Ω resistor?
- e. How much current goes through the 3 Ω resistor?
- f. How much voltage is used at the 6 Ω resistor?
- g. How much current goes through the 6 Ω resistor?
- h. How much current goes through #2?





Period