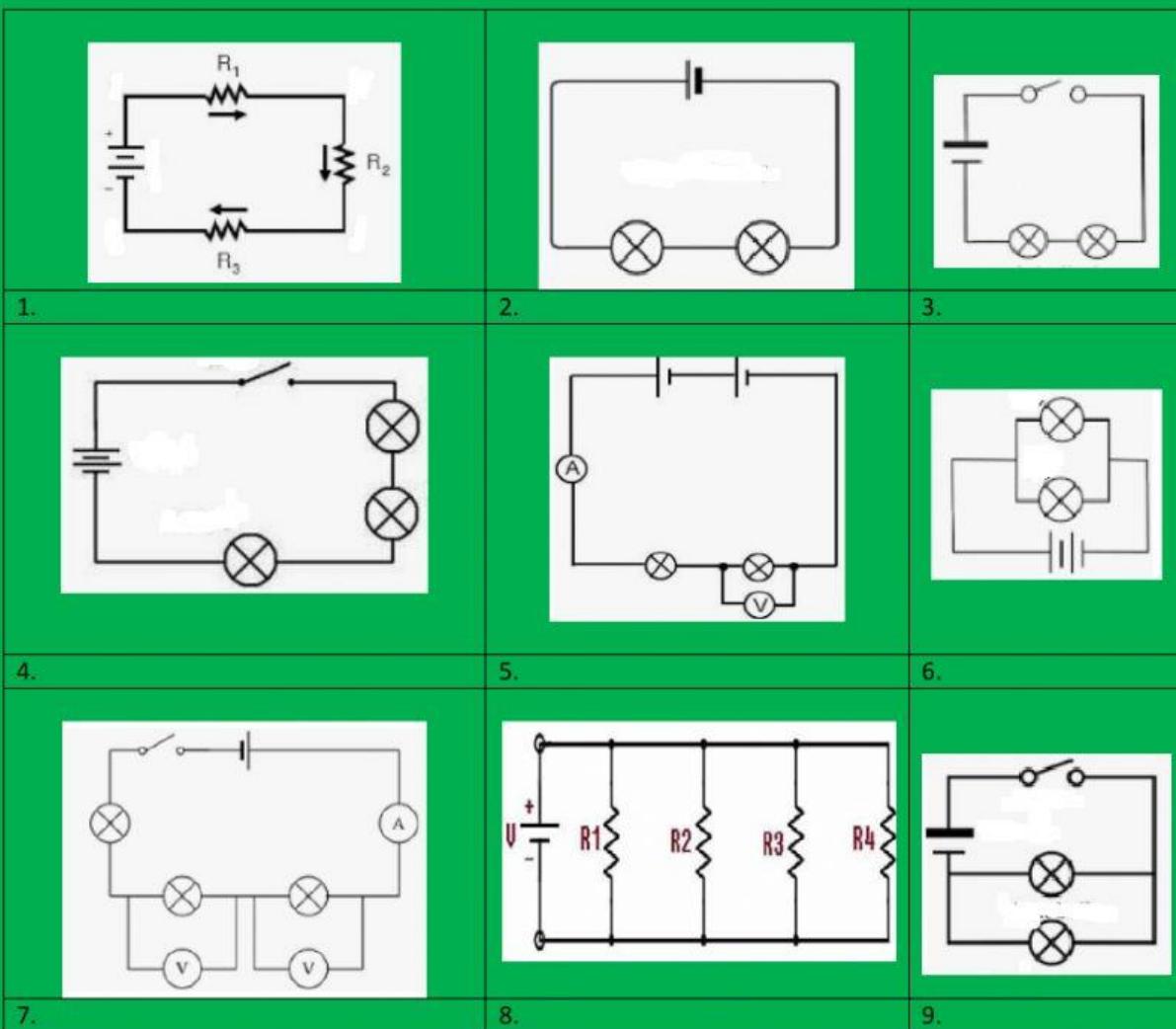


Name: _____ Date: _____

Topic: **SERIES AND PARALLEL CIRCUIT**

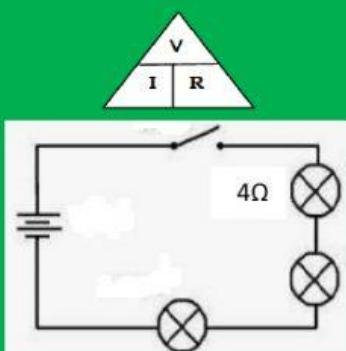
I. Classify each circuit diagrams into Series or Parallel.



II. Three identical bulbs connected in a circuit as shown in a diagram below.

The bulbs are connected to a 24v battery.

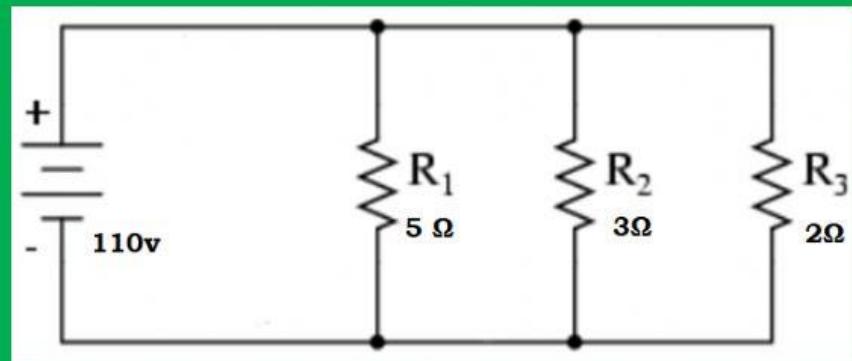
a. Calculate the total resistance of the bulbs when the switch is closed.



b. Calculate the current passing through the 4Ω bulb.

c. Determine the voltage passing through one of the bulbs.

III. Three resistors are connected in a circuit as shown below.



a. Calculate the total resistance in the circuit.



b. Calculate the total current in the circuit.

c. Determine the current in each resistor.