Name			
Name			

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

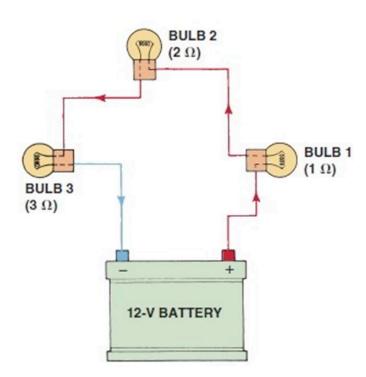
- 1) Technician A says that Ohm's law can be used to determine circuit current flow if total circuit resistance and total voltage are known. Technician B says that Ohm's law can be used to calculate the unknown resistance of a load in a circuit if total current and source voltage are known. Which technician is correct?
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 2) If resistance is reduced in a series circuit, _____ current will flow.

2) _____

1) _____

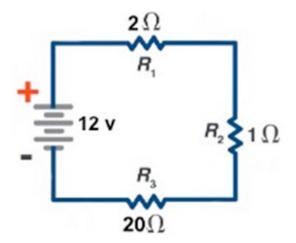
- A) More
- B) Less
- C) The same
- D) None of these
- 3) How much current will flow in this circuit?





- A) 2 amps
- B) 12 amps
- C) 3 amps
- D) None of these

4) In a series circuit with one light bulb operating at 12 volts, the current flow is measured to be 240 milliamps (mA). What is the resistance of the bulb?		
A) 50Ω B) 20Ω		
C) 0.05Ω		
D) Not enough information		
5) The sum of the voltage drops in a series circuit equals the	5)	
A) Amperage		
B) Resistance		
C) Source voltage		
D) Wattage		
6) In a series circuit, total circuit resistance is equal to the of the resistance of all loads in the circuit.	6)	
A) Sum		
B) Difference		
C) Dividend		
D) None of these		
7) A series circuit has three resistors of 4 ohms each. The voltage drop across each resistor is 4 volts.	7)	
Technician A says that the source voltage is 12 volts. Technician B says that the total resistance is		
18 ohms. Which technician is correct?		
A) Technician A only		
B) Technician B only		
C) Both technicians D) Neither technician		
D) Neither technician		
8) In a series circuit,	8)	
A) Total circuit resistance is equal to the sum of all resistances in the circuit		
B) Current flow is the same at any point in the circuit		
C) Both A and B		
D) Neither A nor B		
9) Three light bulbs are wired in series. A fourth bulb is connected to the circuit in series.	9)	
Technician A says that the total voltage drop will increase. Technician B says that the current		
(amperes) will decrease. Which technician is correct?		
A) Technician A only		
B) Technician B only C) Both technicians		
D) Neither technician		
2,11011101101111111111		



- A) 2 A
- B) 6 A
- C) 0.5 A
- D) 3 A

Answer Key

Testname: AEE6_6A

- 1) C
 - Page Ref: 72
- 2) A
- Page Ref: 72-73
- 3) A
 - Page Ref: 73
- 4) A
 - Page Ref: 72
- 5) C
 - Page Ref: 74
- 6) A
- Page Ref: 72
- 7) A
 - Page Ref: 74
- 8) C
 - Page Ref: 75
- 9) B
 - Page Ref: 76
- 10) C
 - Page Ref: 77