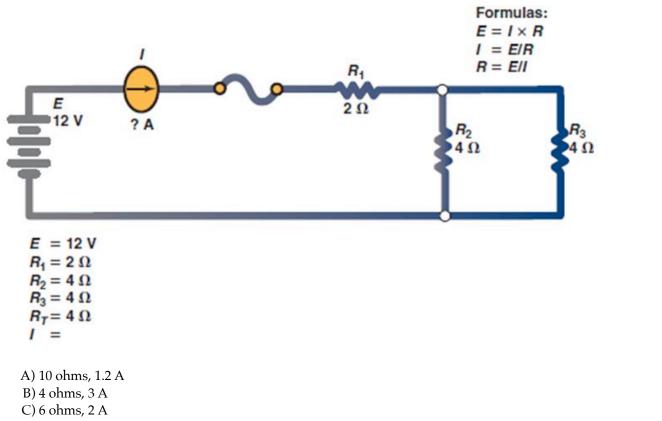
Automotive Electricity and Electronics, 6th Edition Quiz 8A

Name

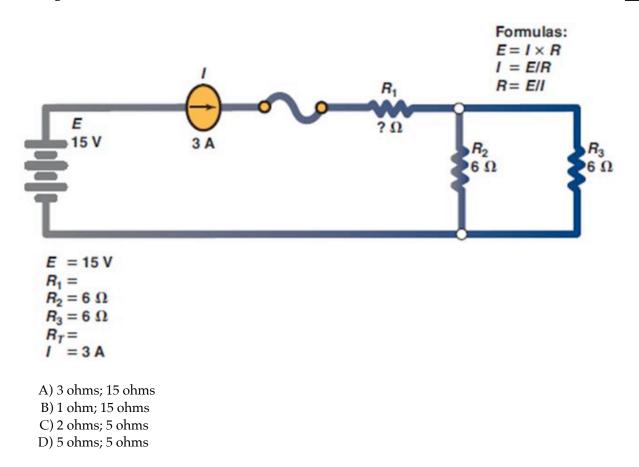
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) See **Figure 8-8** to solve for total resistance (R_T) and total current (I).

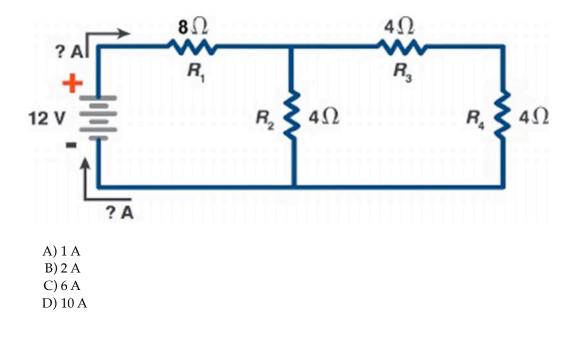


1) _____

D) 2 ohms, 6 A

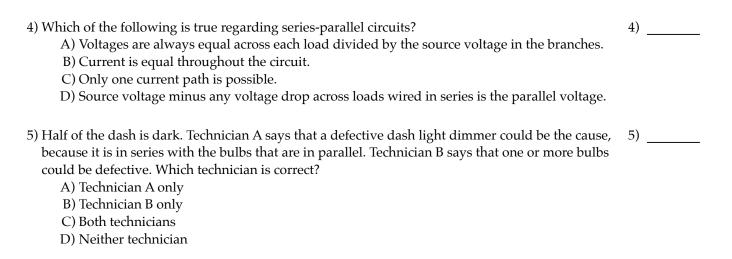


3) Calculate the total resistance (R_T) for the circuit in the figure below and determine the total current (I_t).



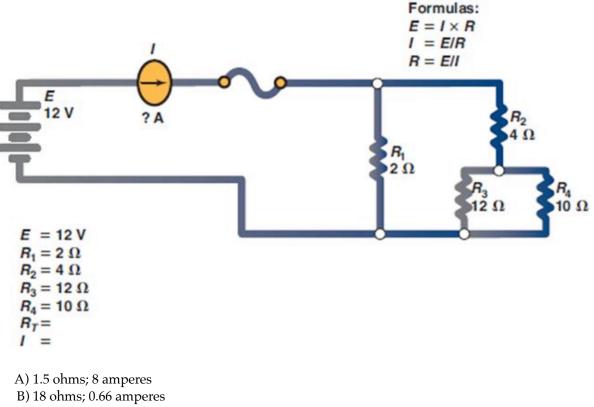
3)

2

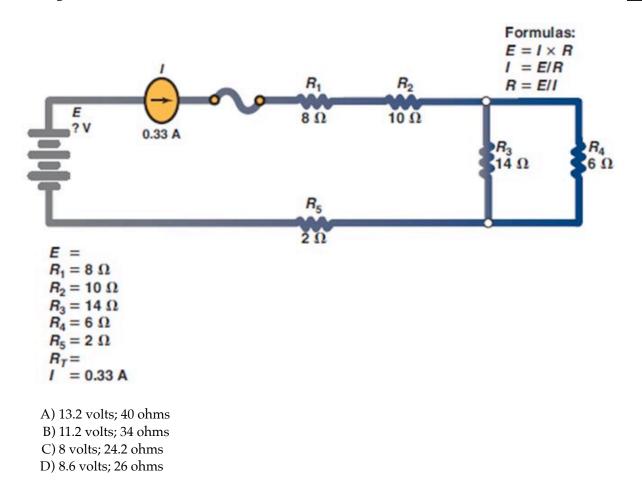


6) _____

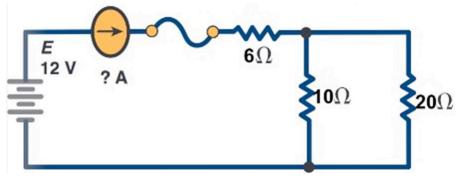
6) See **Figure 8-14** to solve for total resistance (R_T) and total current (I_t).



- C) 6 ohms; 2 amperes
- D) 5.5 ohms; 2.2 amperes

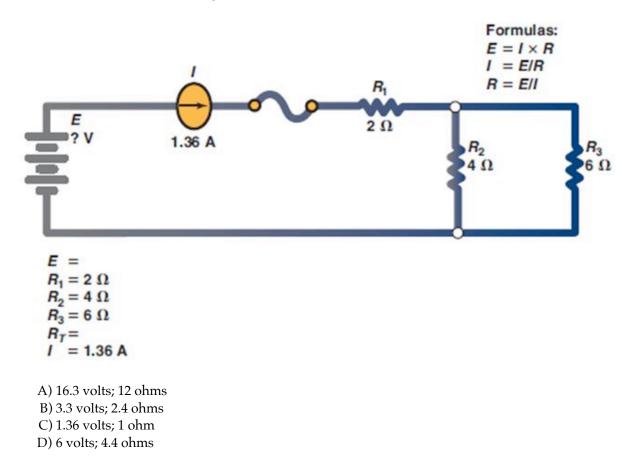


8) Calculate the current flow in this circuit. (Round off to 2 decimal points.)

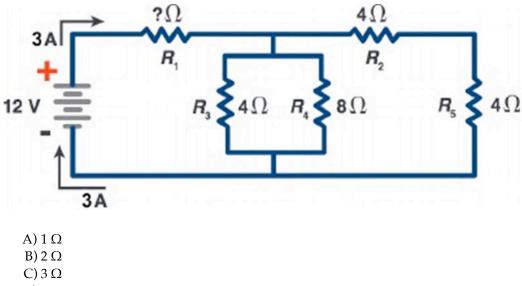


- A) About 0.95 ampsB) About 0.33 ampsC) About 3 ampsD) About 1.05 amps
- D) About 1.05 amps

8)



10) Determine the unknown resistor value in the figure below and determine the value of R₁.



D) 4 Ω

10) _____

Answer Key Testname: AEE6_8A

- B Page Ref: 87-88
 C Page Ref: 87-88
 A
 - Page Ref: 87-88
- 4) D
 - Page Ref: 96-87
- 5) B

Page Ref: 86-87

6) A

Page Ref: 87-88

7) C

Page Ref: 87-88

8) A

Page Ref: 87-88

9) D

Page Ref: 87-88

10) B

Page Ref: 87-88