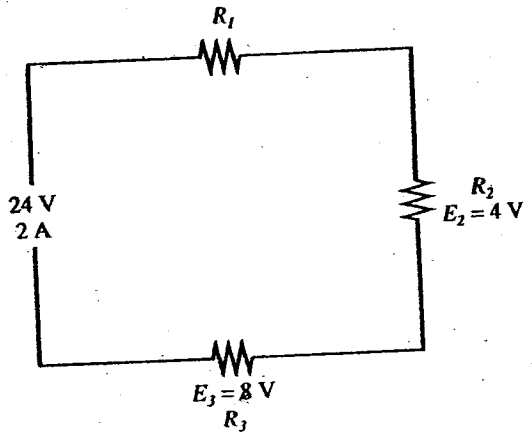


Practice Sheet 6-1

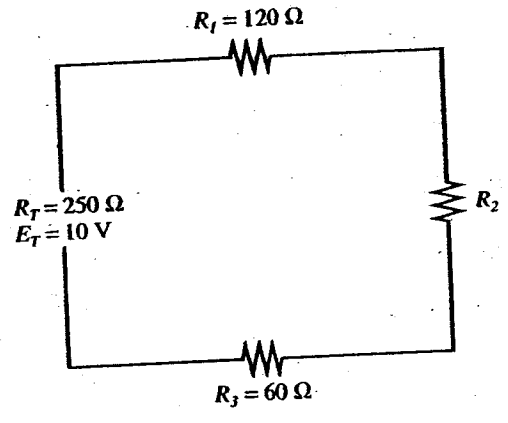
Name _____

Date _____

Answer questions 1-10 using the following series circuit.



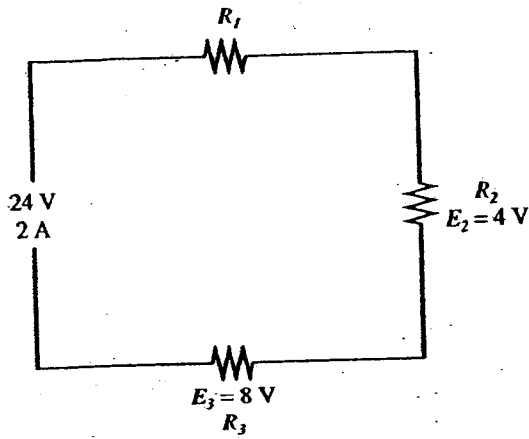
Answer questions 11-20 using the following circuit.



1. Total resistance = _____
2. Total current = _____
3. Current at R_1 = _____
4. Current at R_3 = _____
5. Voltage drop at R_1 = _____
6. Voltage drop at R_2 = _____
7. Voltage drop at R_3 = _____
8. Total power consumed by the circuit = _____
9. Power consumed at R_1 = _____
10. Power consumed at R_2 = _____

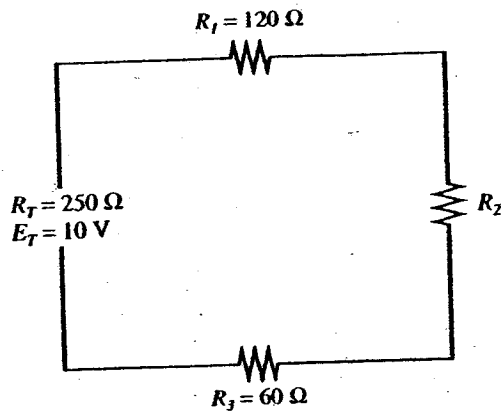
11. Source voltage = _____
12. Total circuit resistance = _____
13. Current at R_1 = _____
14. Current at R_3 = _____
15. Resistance of R_1 = _____
16. Resistance of R_2 = _____
17. Resistance of R_3 = _____
18. Total power consumed by the circuit = _____
19. Power consumed at R_1 = _____
20. Power consumed at R_2 = _____

For questions 21–30 using the following series circuit.



- Voltage for $E_1 =$ _____
- Total circuit resistance = _____
- Current at $R_1 =$ _____
- Resistance of $R_1 =$ _____
- Current at $R_2 =$ _____
- Resistance of $R_2 =$ _____
- Current at $R_3 =$ _____
- Resistance of $R_3 =$ _____
- Total power consumed by the circuit = _____
- Power consumed at $R_1 =$ _____

Answer questions 31–40 using the following series circuit.



- 31. Total circuit current = _____
- 32. Current at $R_1 =$ _____
- 33. Voltage drop at $E_1 =$ _____
- 34. Current at $R_2 =$ _____
- 35. Resistance of $R_2 =$ _____
- 36. Voltage drop at $R_2 =$ _____
- 37. Current at $R_3 =$ _____
- 38. Voltage drop at $R_3 =$ _____
- 39. Total power consumed by the circuit = _____
- 40. Power consumed at $R_1 =$ _____