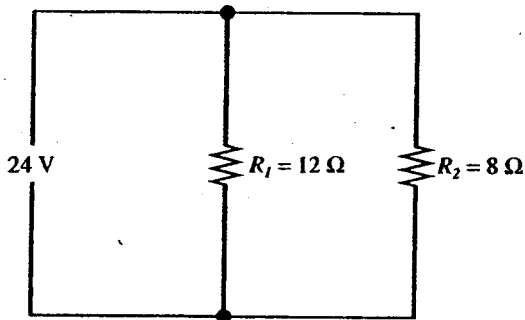


Practice Sheet 7-1

Name _____

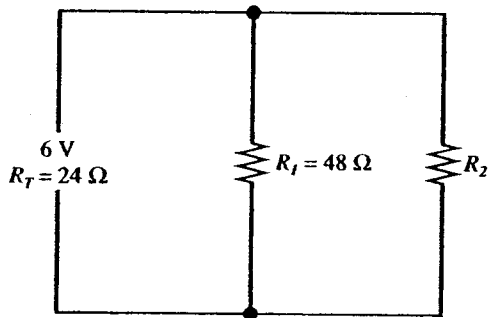
Date _____

Fill in the blanks based on the information provided in the schematics. Use the space beside the schematics for your calculations. By applying the laws of parallel circuits, you will be able to avoid complicated calculations.



Questions 1–6 refer to the schematic above.

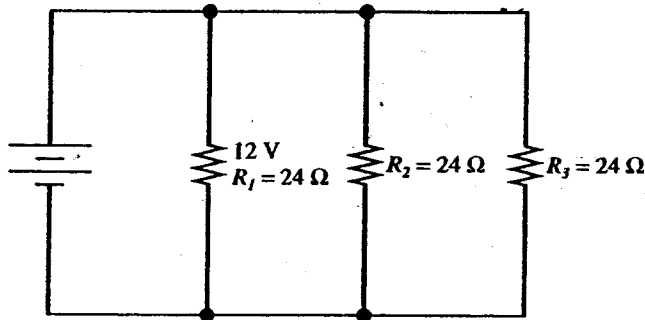
- Voltage drop at $R_1 =$ _____
- Voltage drop at $R_2 =$ _____
- Current through $R_1 =$ _____
- Current through $R_2 =$ _____
- Total circuit current = _____
- Total circuit resistance = _____



Questions 7–14 refer to the schematic above.

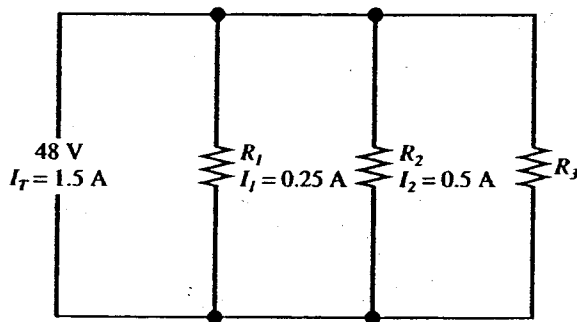
- Voltage drop at $R_1 =$ _____
- Voltage drop at $R_2 =$ _____
- Current through $R_1 =$ _____
- Resistance value of $R_2 =$ _____

- 11. Current through $R_2 =$ _____
- 12. Total circuit current = _____
- 13. Total circuit wattage = _____
- 14. Wattage consumed at $R_1 =$ _____



Questions 15–20 refer to the schematic above.

- 15. The current through $R_1 =$ _____
- 16. The voltage drop across $R_2 =$ _____
- 17. The voltage at the source = _____
- 18. The current through $R_3 =$ _____
- 19. Total circuit current = _____
- 20. Total circuit resistance = _____



Questions 21–25 refer to the schematic above.

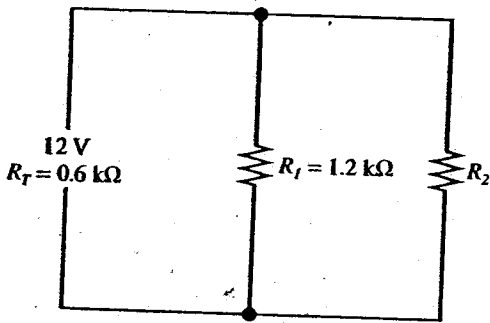
- 21. Total circuit resistance = _____
- 22. Voltage drop at $R_1 =$ _____
- 23. Voltage drop at $R_3 =$ _____
- 24. Current value at $R_3 =$ _____
- 25. Resistance value of $R_3 =$ _____

Practice Sheet 7-2

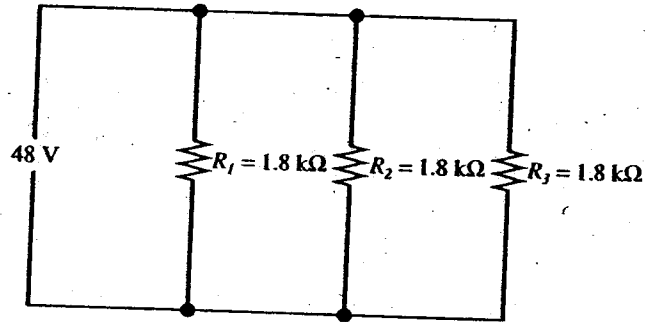
Name _____

Date _____

This practice session uses more realistic circuit values. Fill in the blanks based on the information provided in the schematics. Use the space beside the schematics for your calculations. By applying the laws of parallel circuits, you will be able to avoid complicated calculations.



11. Total circuit current = _____
12. Total circuit resistance = _____
13. Total circuit wattage = _____
14. Wattage consumed at R_1 = _____

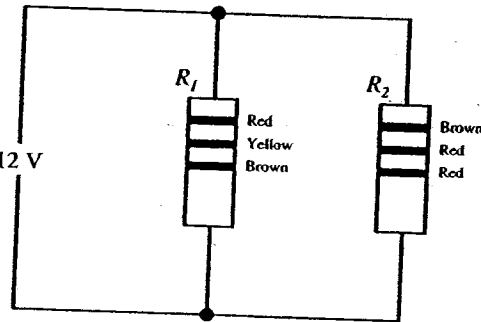
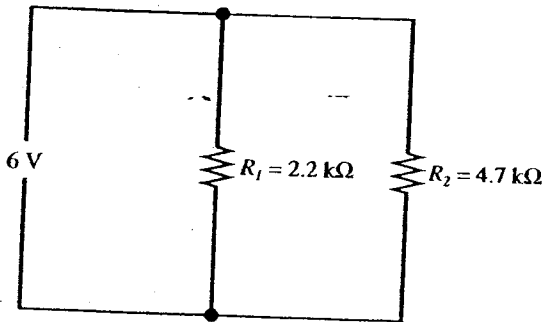


Questions 15–21 refer to the schematic above.

15. Voltage across R_2 = _____
16. Current through R_1 = _____
17. Current through R_2 = _____
18. Current through R_3 = _____
19. Total circuit current = _____
20. Total circuit resistance = _____
21. Total circuit wattage = _____

Questions 1–6 refer to the schematic above.

1. Voltage drop at R_1 = _____
2. Voltage drop at R_2 = _____
3. Current through R_1 = _____
4. Total circuit current = _____
5. Current through R_2 = _____
6. Resistance value of R_2 = _____



Questions 22–26 refer to the schematic above.

22. Total circuit resistance = _____
23. Voltage drop at R_1 = _____
24. Voltage drop at R_2 = _____
25. Current value at R_1 = _____
26. Current value of R_2 = _____

Questions 7–14 refer to the schematic above.

7. Voltage drop at R_1 = _____
8. Voltage drop at R_2 = _____
9. Current through R_1 = _____
10. Current through R_2 = _____