1. Determine the current and power dissipated in the resistors in Fig.

![Resistor Circuit](image1)

2. Given the circuit in Fig., find the voltage across each resistor and the power dissipated in each.

![Resistor Circuit](image2)

3. Find $I_1$ in the network in Fig.

![Network](image3)

4. Find $I_1$ in the circuit in Fig.

![Circuit](image4)

5. In the network in Fig., Find $I_1$, $I_2$ and $I_3$ and show that KCL is satisfied at the boundary.

![Network](image5)
6. Find $V_{ab}$ in the network in Fig.  

7. Find $V_{fb}$ and $V_{cc}$ in the circuit in Fig.  

8. Find $V_x$ and $V_y$ in the circuit in Fig.  

9. Find $V_x$ and $V_y$ in the circuit in Fig.  

10. Find $V_{bd}$ in the network in Fig.  

11. Find $V_c$ in the circuit in Fig.  

12. Find $V_x$ and the power supplied by the 15-V source in the circuit in Fig.
13. The 100-V source in the circuit in Fig is supplying 200 W. Solve for $V_2$.

14. Find $I_s$ in the network's in Fig.

15. Find the power supplied by each source in the circuit in Fig.

16. Find the current $I_A$ in the circuit in Fig.

17. Find $I_s$ in the network in Fig.

18. Find $R_{AB}$ in the circuit in Fig.

19. Find $R_{AB}$ in the network in Fig.

20. Find $R_{AB}$ in the circuit in Fig.
21. Find $R_{AB}$ in the network in Fig.

22. Find $R_{AB}$ in the circuit in Fig.

23. Find $R_{AB}$ in the network in Fig.