1. Use the node-voltage method to find $v_1$ and $i_0$.

2. a) Use the node-voltage method to calculate $v_2$ and $i_1$.
   b) Calculate the power in the 4 kΩ resistor.
3. Use the node-voltage method to find $v_1, v_2, v_3$, and $v_4$.

4. Use the mesh-current method to find $i_1, i_2$, and $i_3$.

5. a) Use the mesh-current method to find $i_1$ and $i_2$.
   b) Find the power dissipated by the dependent source.