Node Voltage Method

- 1. Assign a potential $(V_1, V_2, V_3....V_N)$ to all nodes in the circuit
- 2. Assign 0 to one of the nodes (commonly called ground in electrical circuits)
- 3. Use KCL in every node and express the currents in the node potentials
- 4. Solve the equations to find all the potentials $(V_1, V_2, V_3, ..., V_N)$ in all the nodes
- 5. Determine all voltages and currents in the circuit from the now known potentials $(V_1, V_2, V_3....V_N)$

