## HOMEWORK-I

1.For the circuit given in Figure 1, obtain the equations to analysis the circuit using (a) Chord (Line) current method (b) Branch Voltage method ( $\mathrm{V}_{6}=\alpha \mathrm{V}_{7}$ ).
2. For the circuit given in Figure 2, obtain the equation to analysis the circuit using (a) Chord (Line) current method (b) Branch Voltage method.


P 6.3-14 $\uparrow$ Determine the node voltages at nodes $\mathrm{a}, \mathrm{b}, \mathrm{c}$, and d of the circuit shown in Figure P 6.3-14.


Figure P 6.3-14

P 6.3-8 Determine the current $i_{0}$ for the circuit shown in Figure P 6.3-8.


Figure P 6.3-8

