Concept Question 3-4: What is a supernode? How is it treated in nodal analysis?
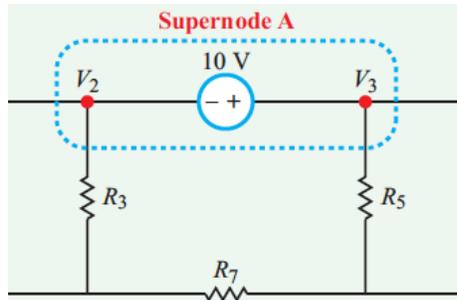
A supernode is the combination of two extraordinary nodes (excluding the reference node) between which a voltage source exists.

In nodal analysis, we apply KCL to the supernode as if it were a single node, and then we add an auxiliary equation relating the voltages of the two nodes.