EE 240 Circuits I
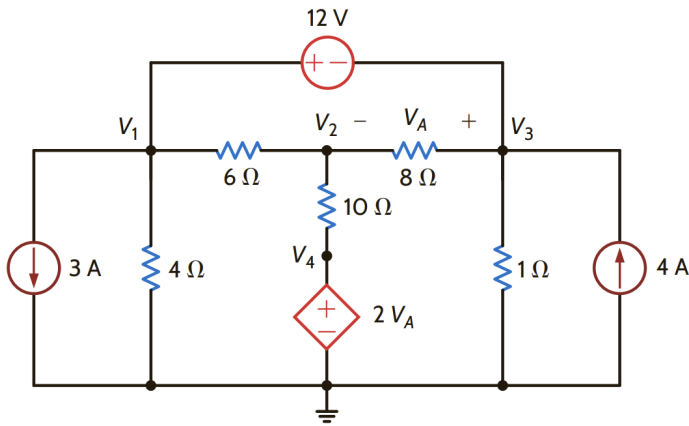**Quiz 4**

Name: _____

Campus ID: _____

Total Marks: 10
Time Duration: 15 minutes

Question 1 (7 marks)

Using nodal analysis, formulate circuit equations that can be used to solve for the node voltages V_1, V_2, V_3, and V_4 in the given circuit. We require you to formulate three equations in terms of V_1, V_2, and V_3. Note that $V_A = V_3 - V_2$.

Question 2 (3 marks)

Apply source transformation to calculate I_o in the following circuit.