Problem 1 (10 Points) Find all the node voltages in the circuit shown in Figure 1. Find also the current $i$ in the figure.

Problem 2 (10 Points) Find all the node voltages in the circuit shown in Figure 2. Find also the current $i$ in the figure.

Problem 3 (10 Points) Find all the node voltages in the circuit shown in Figure 3. Find also the current $i$ in the figure.

Problem 4 (10 Points) Find the Thevenin and Norton equivalent circuits between $A$ and $B$ in the circuit shown in Figure 4.