For the following problems, you are to generate the matrix equations for the circuits with the node voltages as the unknowns (see your notes). Simplify so that all of the matrix values are integers. Solving the system of equations is not required for this assignment.

1. Figure P 4.3-4. The zero node is denoted by the ground symbol. Number the nodes for the 125 ohm and 250 ohm resistors “1, 2, 3” from left to right, respectively.

2. Figure P 4.3-9. The zero node is denoted by the ground symbol and the node voltages are already noted on the figure.

3. Figure P 4.4-8. The zero node is the bottom node. The “+” node of the dependent source is node 1, the “-“ node of the dependent source is node 2, and the top node is node 3.