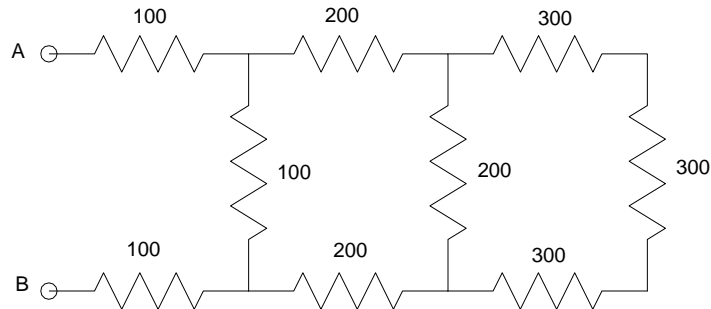


ECE 320 - Homework #1

EE 206 Review. Due Wednesday, January 18th, 2017

- 1) Determine the resistance between nodes A and B



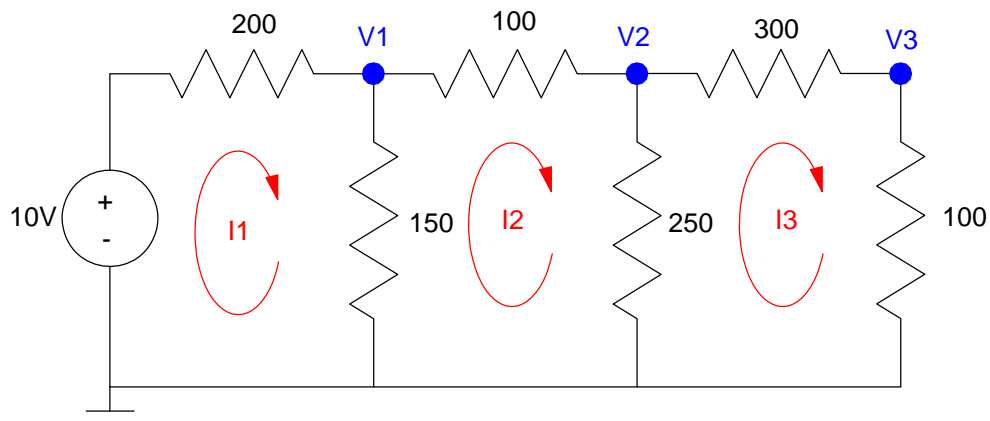
Problem 1

Current Loops:

- 2) Write the current loop equations for the following circuit
- 3) Solve using Matlab (or similar program)
- 4) Check your answers in PartSim (or similar circuit simulator)

Voltage Nodes:

- 5) Write the voltage node equations for the following circuit
- 6) Solve using Matlab (or similar program)
- 7) Check your answers in PartSim (or similar circuit simulator)



Problem 2-7