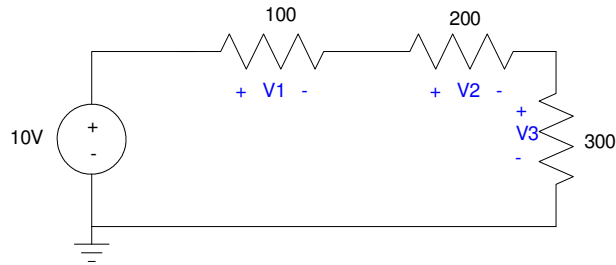# EE 206: Homework #3
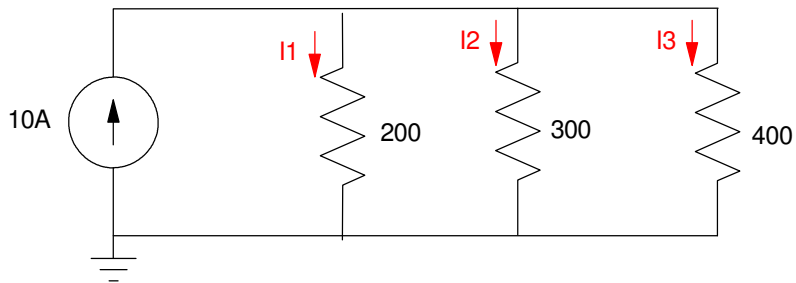
Voltage and Current Division. Voltage Nodes. Due Mon, Jan 28th

Voltage Division:

1) Use votlage division to determine the voltages V1, V2, and V3

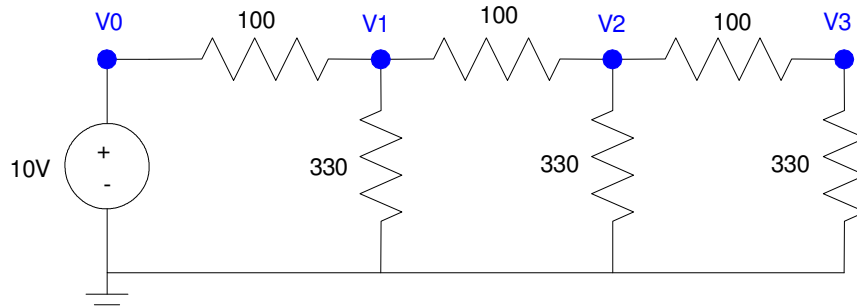2) Use current division to determine the current I1, I2, and I3

Voltage Nodes:

3) Write the votlage node equations for the following circuit. Solve for V1..V3 using Matlab (or similar program)

4) Check your answers in PartSim (or similar program)

	Calculated prob 3	Simulated prob 4
V1		
V2		
V3		

Circuit for Problem 3 - 4

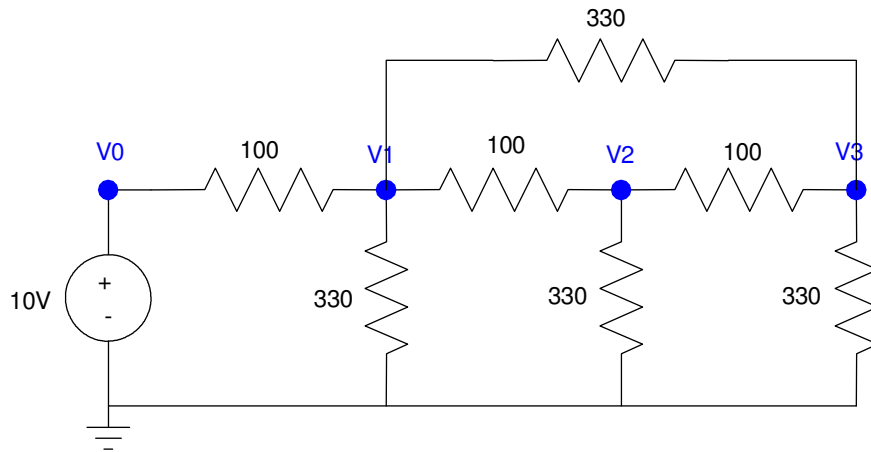5) Write the votlage node equations for the following circuit. Solve for V1 .. V3 using Matlab (or similar program)

6) Check your answers in PartSim (or similar program)

Circuit for Problem 5 - 6

	Calculated prob 5	Simulated prob 6
V1		
V2		
V3		