EE 206 Test #1d - Name _____

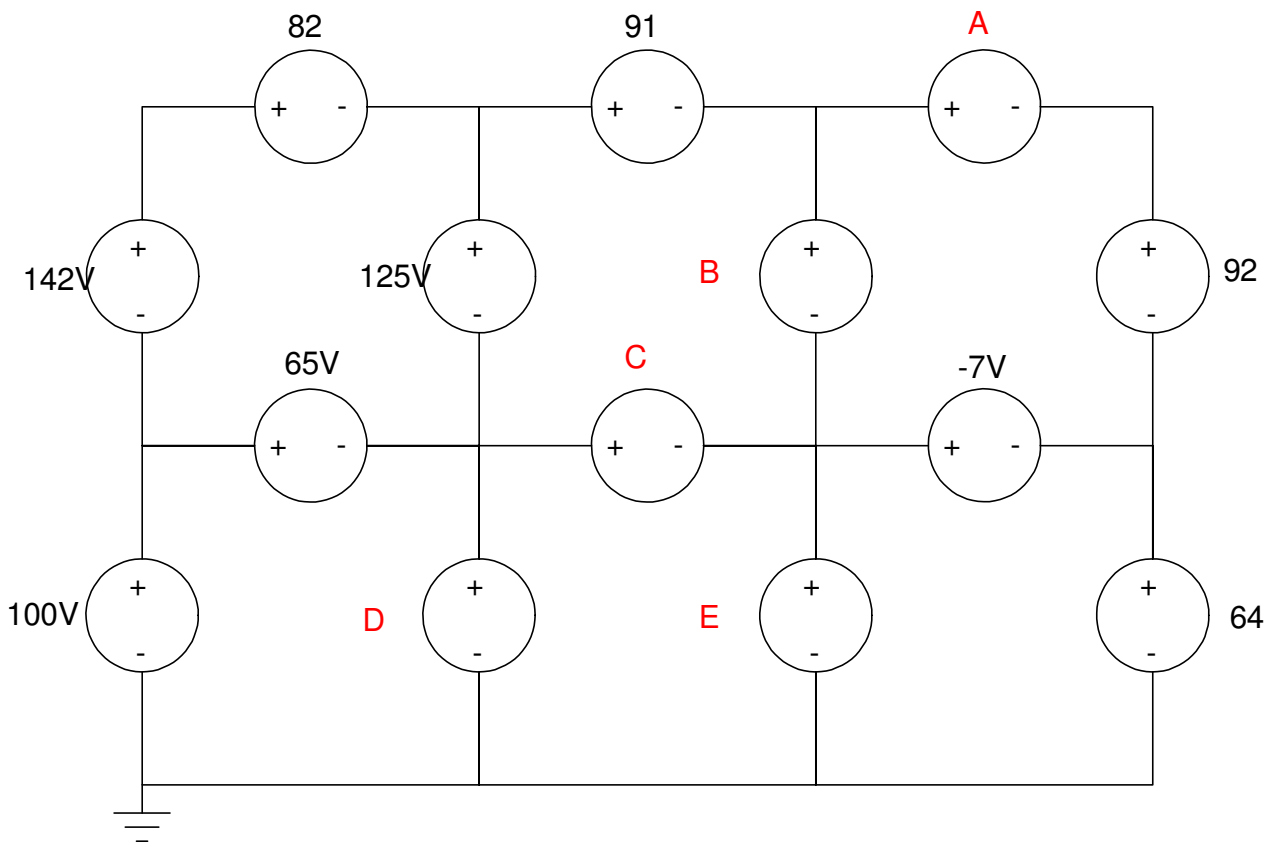
Resistors, Current Loops, Voltages Nodes. Due May 7th at midnight

Open book, open notes, internet, calculators, matlab permitted. Individual effort only.

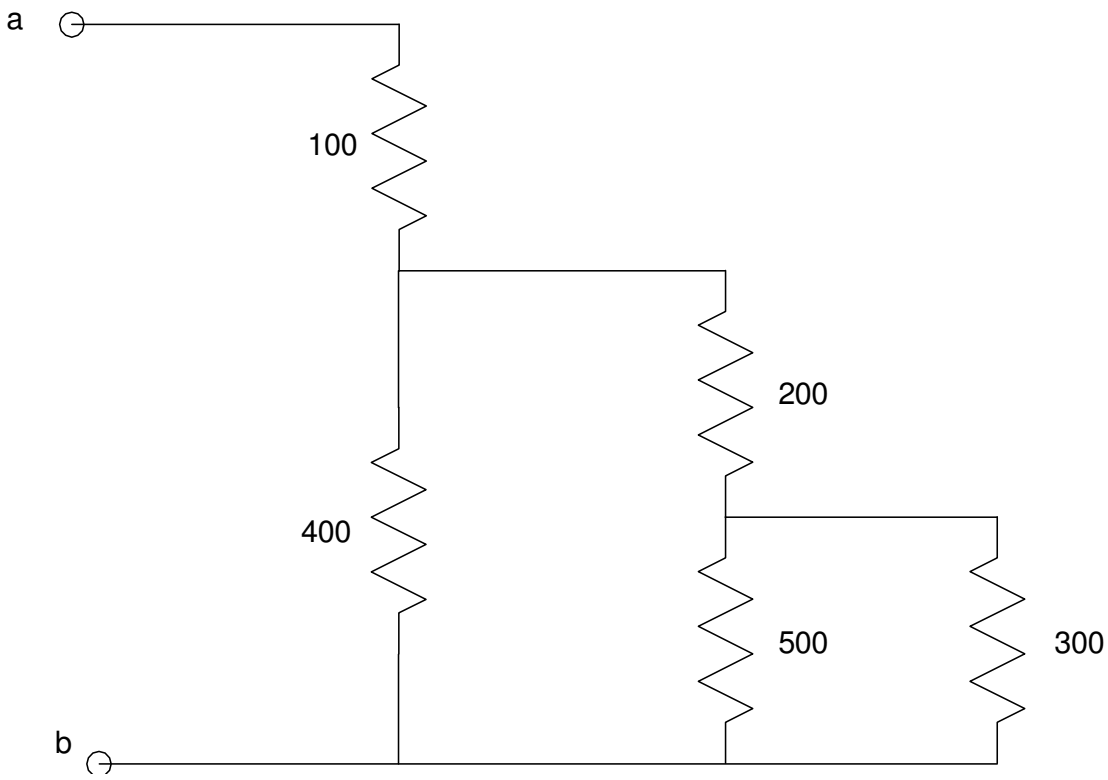
No aid given, received, or observed: (signature) _____

1) Kirchoff's Laws. Determine the unknown votlages (they can be negative)

V1	V2	V3	V4	V5

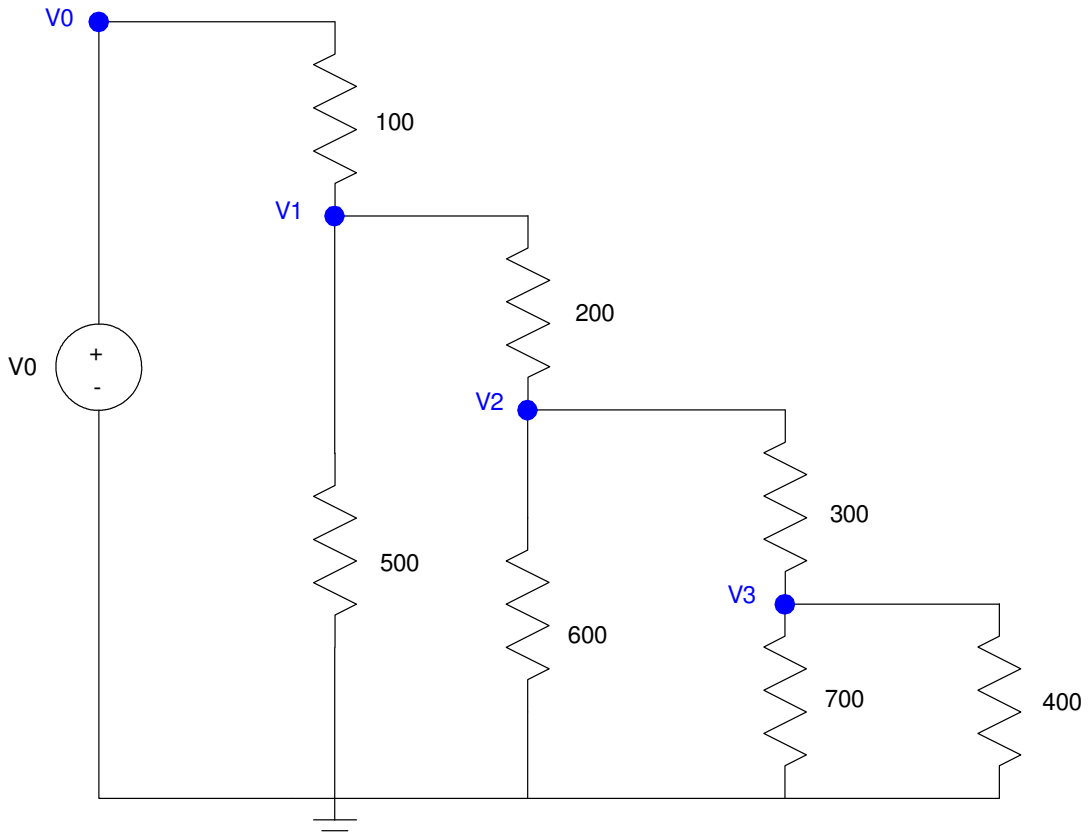


2) Determine the resitance Rab



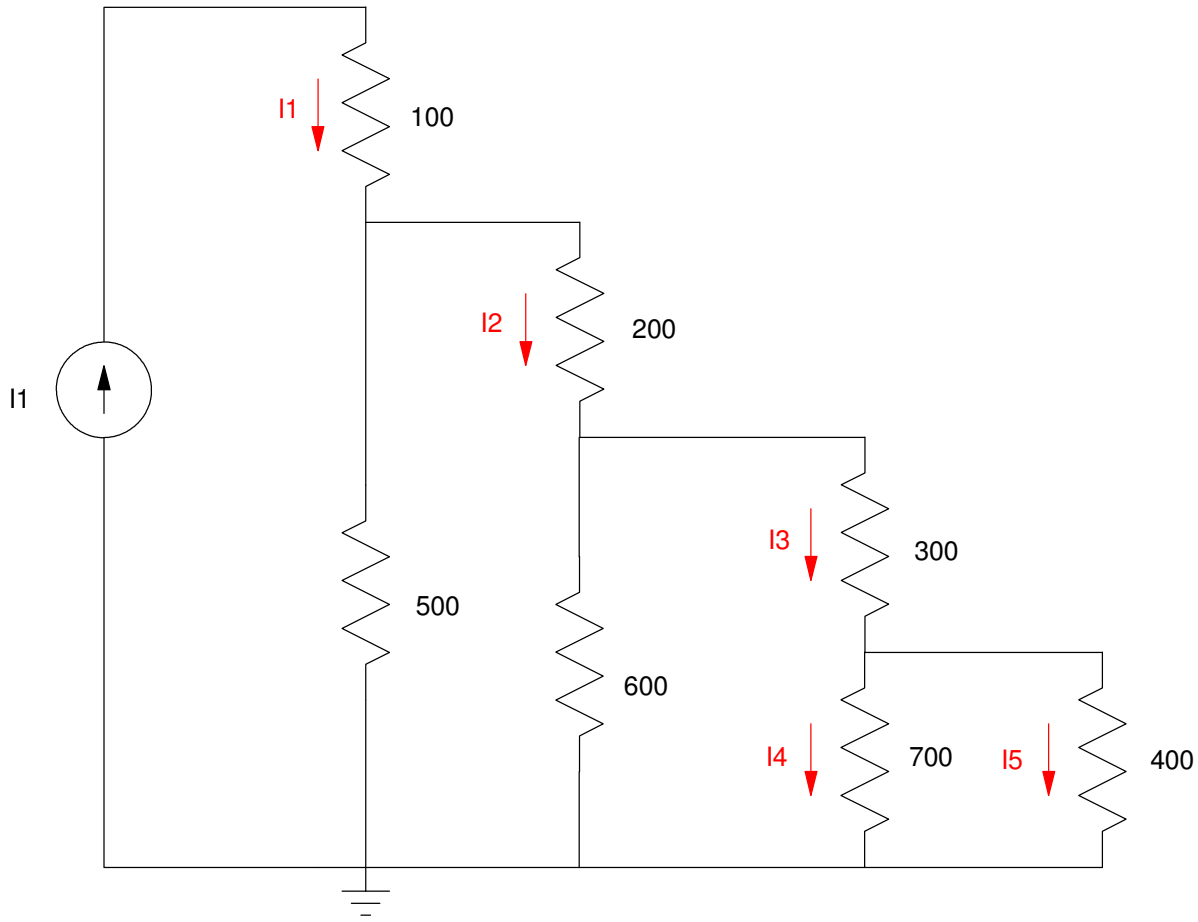
3) Voltage Division. Use voltage division to determine the voltages V1 .. V3

V0	V1	V2	V3
			100 V

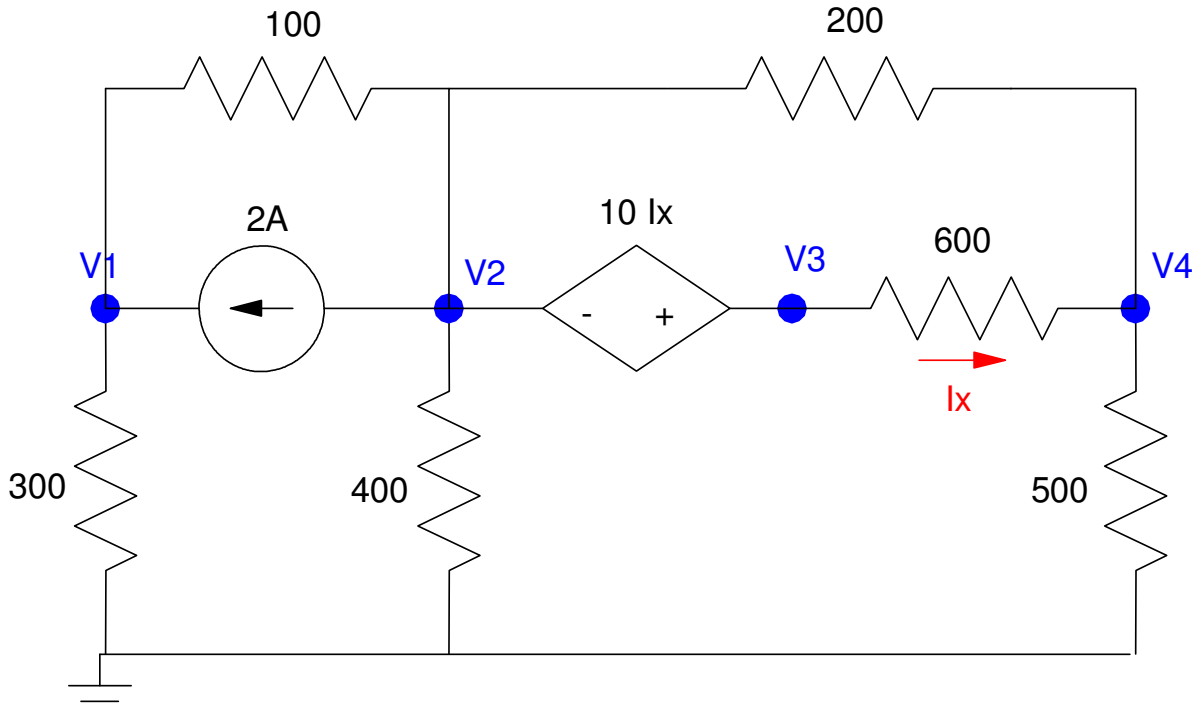
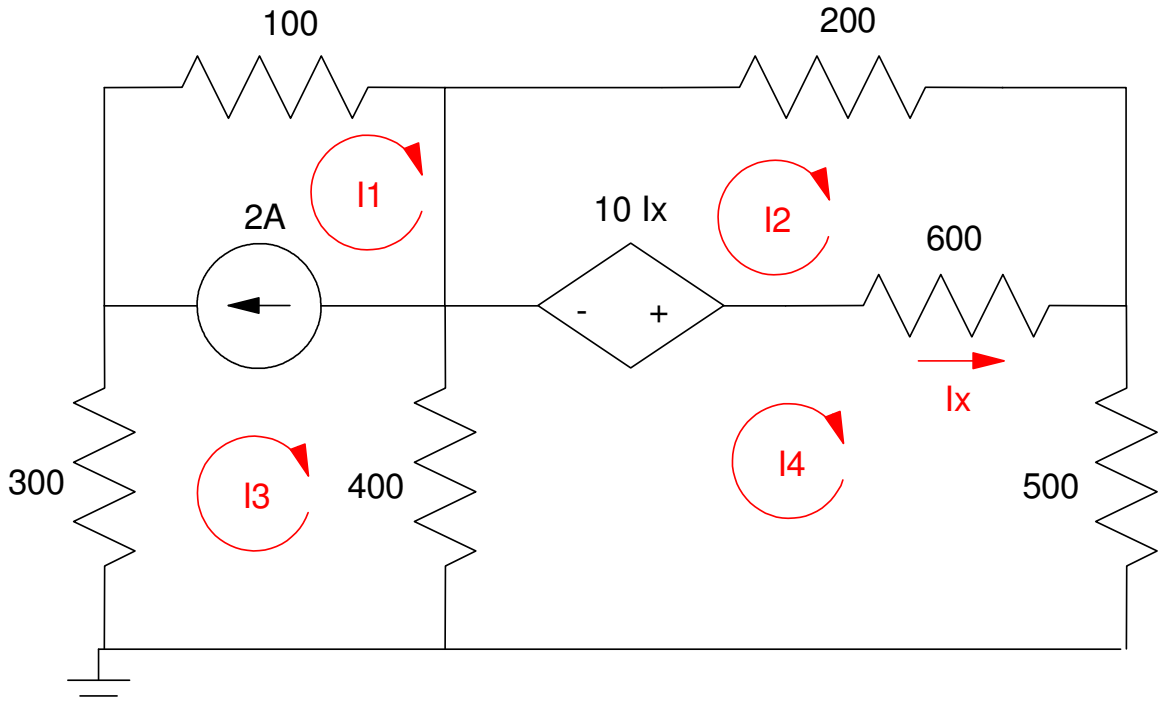


4) Current Division. Determine the currents

I1	I2	I3	I4	I5
		100 mA		



5) Voltage Nodes: Write 5 equations to solve for the 5 unknwns.



6) Current Loops. Write 5 equations to solve for 5 unknowns