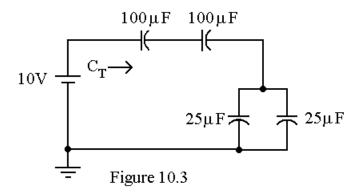
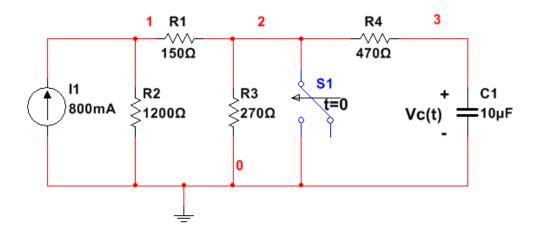
Team Name:	Section:	_
	Members Present (full names printed):	
	1)	
	2)	
	3)	



Find:

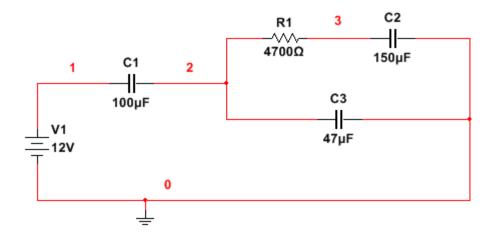
1) CT, the total capacitance seen by the source



Given that switch S1 has been open for a long time BEFORE t=0

Find:

- 1) Vc(t) at t=0
- 2) The maximum current through R4 AFTER t=0
- 3) The time constant of the charging circuit (t < 0)
- 4) The time constant of the discharge circuit (t > 0)
- 5) Vc(t) for t > 0
- 6) The charge on the capacitor (C1) at t = 10msec



Find:

1) The voltage across and the charge on each capacitor (steady-state)