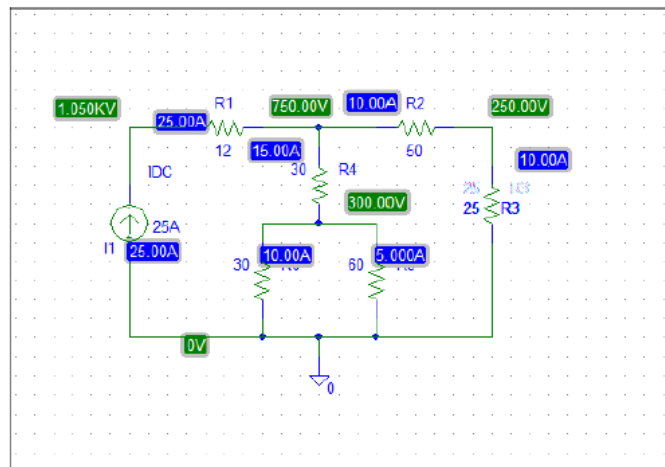# Pspice Practice Questions

Simulation Results

Problem 3.25

- ⇨ Make sure to add GND as reference
- ⇨ Use bias point detail from setup analysis
- ⇨ To copy the schematic with results, go to edit and choose copy to clipboard then paste in the document
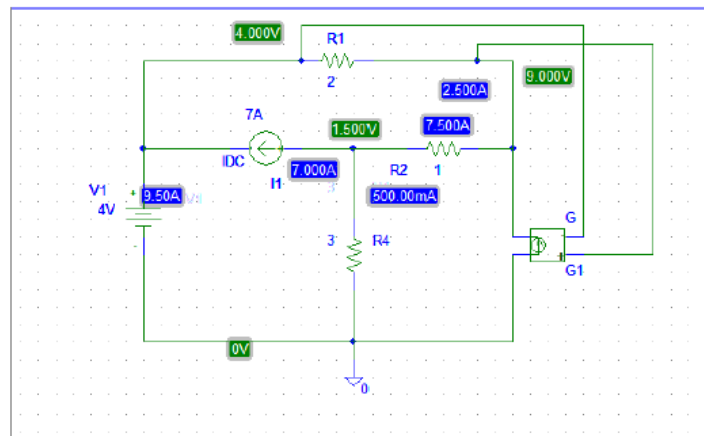

Problem 4.25

- ⇨ Make sure to add GND as reference
- ⇨ Use bias point detail from setup analysis
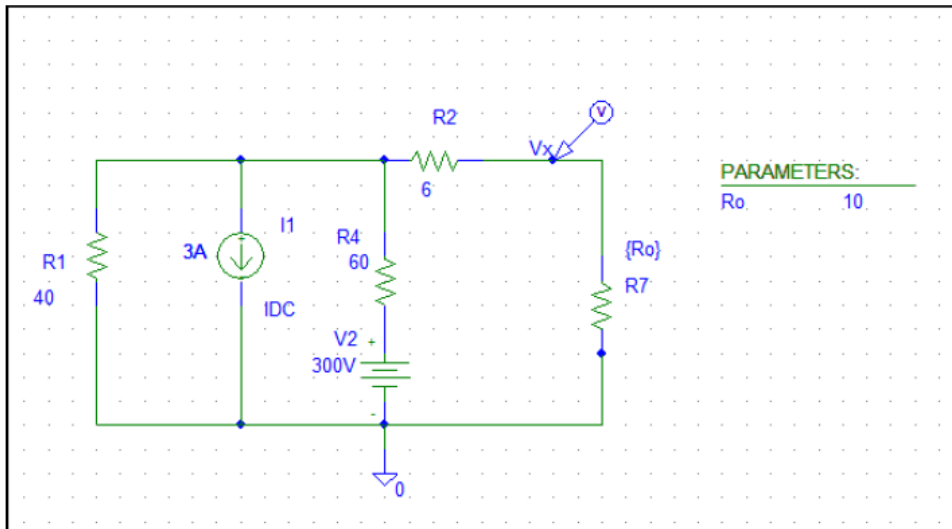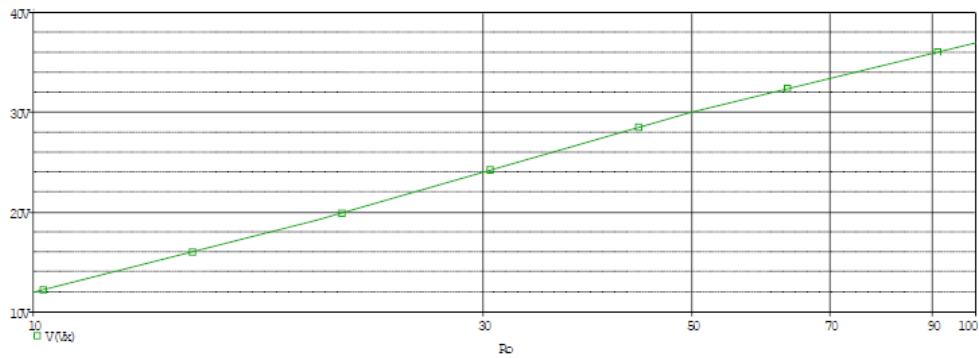- ⇨ To copy the schematic with results, go to edit and choose copy to clipboard then paste in the document

Problem 3

⇨ In schematic , place part "param " and specify name 1 and value 1
⇨ From Setup analysis → choose DC Sweep
⇨   → Global parameter and specify the same name as in **param** without
                          brackets
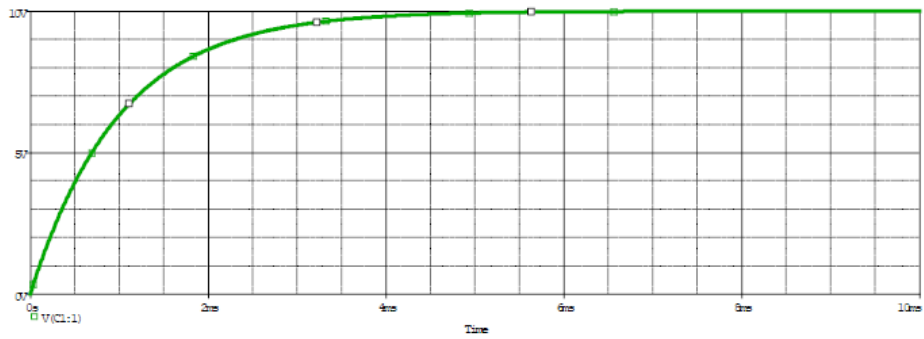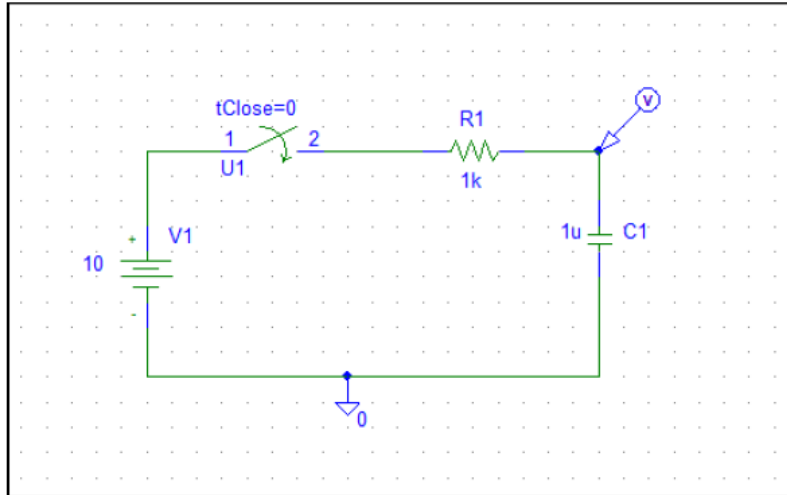   → In value list use values of Ro

R2

Vx

PARAMETERS:
Ro   10

I1
R4
60
R1   3A   {Ro}
40   R7

IDC

V2
300V

0

⇨ **From Probe window , copy result and paste it**

Problem 4

⇨ Transient analysis: mark/choose skip initial transient solution
⇨ Choose end time suitable to reach steady state (at least 5*R*C)
⇨ Choose step ceiling < final time/100)
⇨ Copy schematic
⇨ Copy result from probe window

Problem 5

⇨ Transient analysis: mark/choose skip initial transient solution
⇨ Place param from parts and give it a name and initial value
⇨ Choose parametric analysis and do the same procedure as for dc sweep (global parameter and value list for R :
   (list 100, 500, 1k))
⇨ Choose end time suitable to reach steady state
⇨ Choose step ceiling 10u
⇨ Run simulation
⇨ Copy schematic
⇨ Copy result from probe window