13. Print this page out. On that page, write just the SPICE netlist for the schematic below in the shaded area. Using the template file given on the website, enter your netlist into a file named "probXX.sp", where XX is the problem number.

Run the simulator and redirect the output into another file:

```
ngspice  prob<XX>.sp > prob<XX>.sp.results
```

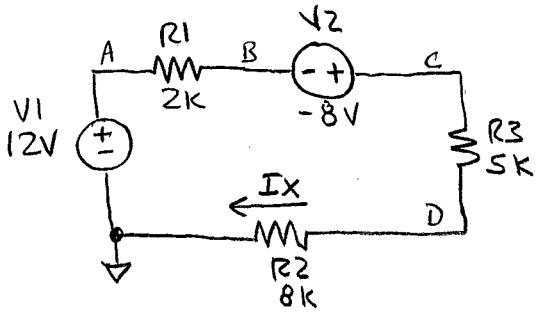
Print out the results file by typing:

```
a2ps -P <printer_name> probXX.sp.results
```

and paste the contents of the results file onto this page also. You must include the header timestamp.

Find V_A, V_B, V_C, V_D
I_x

23 KVL



to find Ix, find current through R2 by using the command "show R2" inside the .control .endc block.

Result file printed from a2ps:

```
Circuit: - KVL prob 13
Doing analysis at TEMP = 27.000000 and TNOM = 27.000000
No. of Data Rows : 1
 Resistor: Simple linear resistor
     device                      r2
      model                       R
 resistance                    8000
         ac                    8000
      dtemp                       0
      noisy                       1
          i             0.000266667
          p             0.000568889
```

Your Netlist:

```
V1   A   GND   12
R1   A   B     2000
V2   C   B     -8
R3   C   D     5000
R2   D   GND   8K
```