1.

Circuit 1 annotations:
- 3.158A
- 8.000V
- 1.474A
- R1 2
- R5 2
- 4
- DC=4 1.684V
- 842.11mA
- 5.053V
- R6
- DC=8
- 4.000A
- V1
- 631.58mA
- 4.632A
- 4.000A
- R4 8
- R3 1
- 0V
- 0

2.

Circuit 2 annotations:
- -70.59mV
- 5
- 16.94mA
- R2
- 24.00mA
- 14.12mV
- GAIN=2
- H1
- I1
- DC=24m
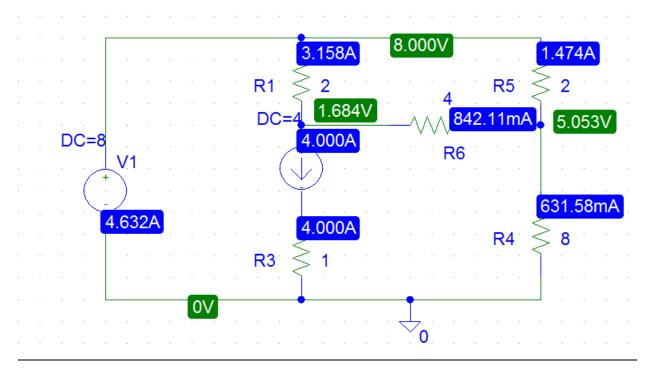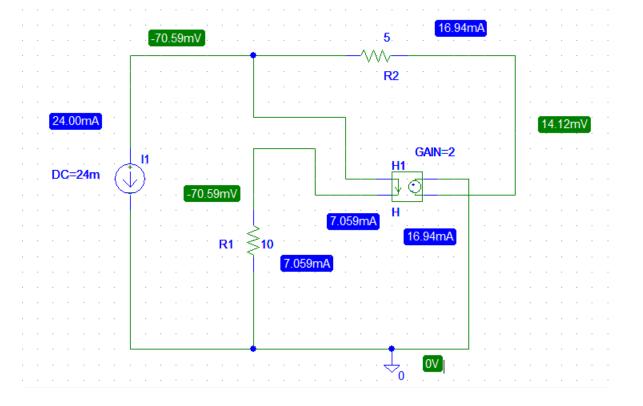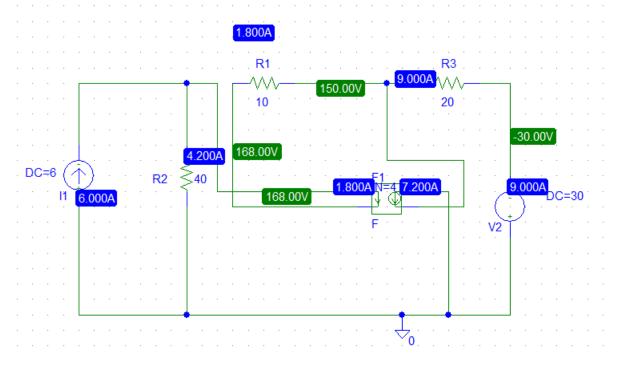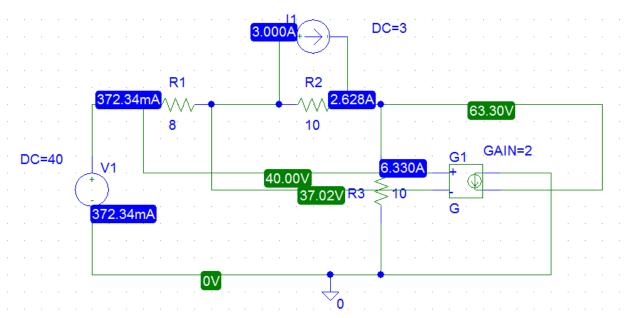- -70.59mV
- H
- 7.059mA
- 16.94mA
- R1 10
- 7.059mA
- 0V
- 0

3.

I0 = 1.80A V0 = 168 − 150 = 18V

4.

Vx = 40V − 37.02V = 2.98V