1st circuit: (one $33k\Omega$ resistor)

6.7 mV (battery)
0.0201 mA

2nd Circuit (11 and 22 $k\Omega$ resistors in series)

vbattery: 6.2 mV
voltage 1: 2.3 mV
voltage 2: 4.4 mV

0.184 mA

3rd:

vbattery = 6.2mV
v1 = 1.1mV
v2 = 2.1mV
v3 = 3.1 mV

$I_3 = 0.093$ mA

Resistors:

$R_1 = 11.3 \ k\Omega$

$R_2 = 21.7k\Omega$

$R_3 = 32.7k\Omega$

4th circuit:

$V_{battery} = 6.3mV$

$I_1 = 0.193mV$

$I_2 = 0.289mV$

$I_3 = 0.552mV$

$I_{total} = 1.03mV$

$V_{battery} = 6.3mV$

Exercise 3: within A and B

$v_{out} = 1.6$

$v_{battery} = 6.4mA$

$R_1 = 11.3\ k\Omega$