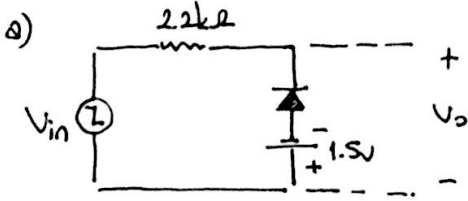
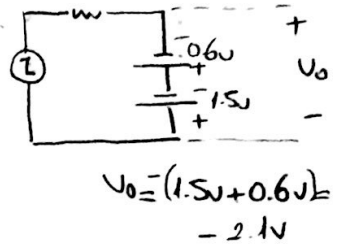
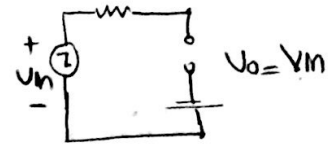
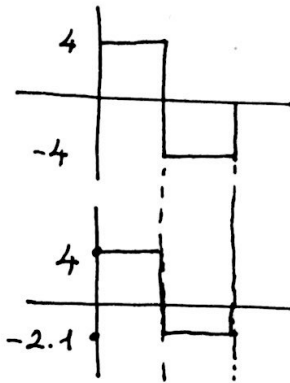


Part 2

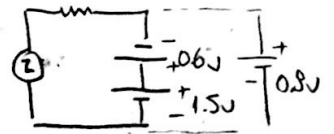
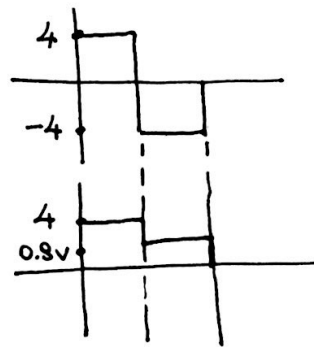
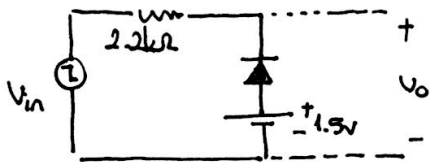
$V_{in} = 8V$ p-p
square wave
1kHz



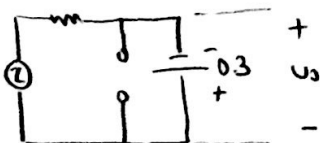
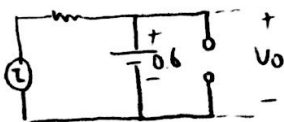
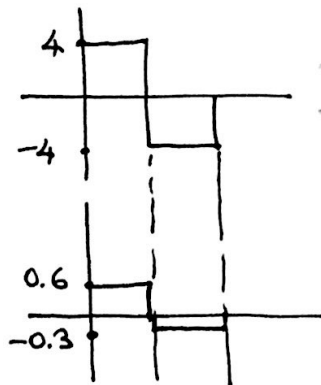
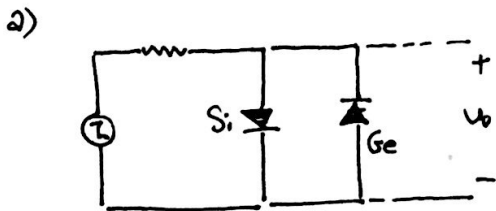
* Remove ground from the DC power supply



f) Reverse the battery



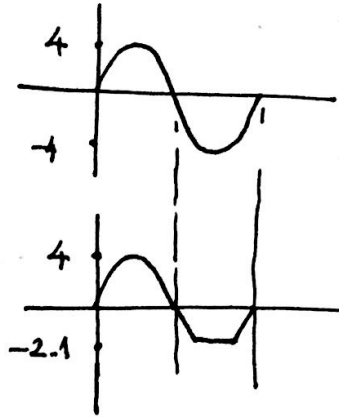
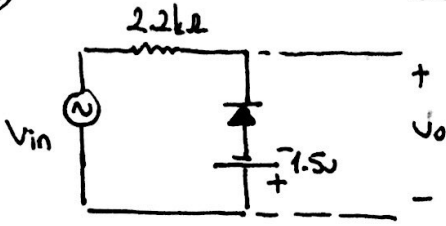
Part 3



Part 4

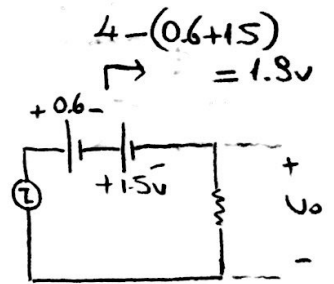
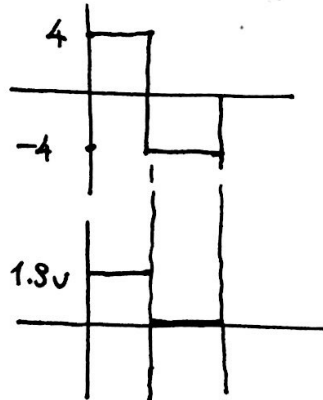
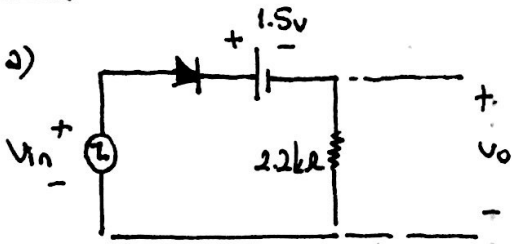
$V_{in} = 8V$ p-p
Sine wave
1kHz

a)

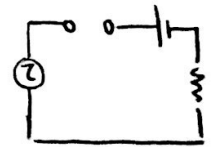


Part 5

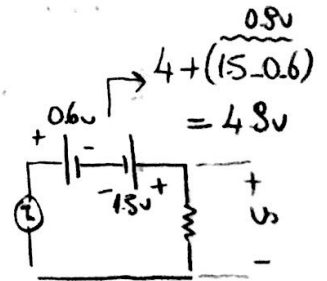
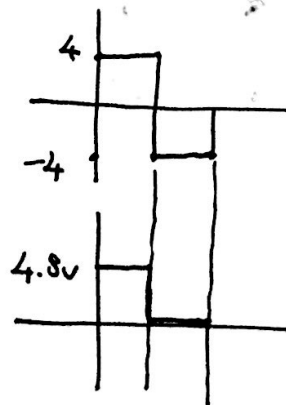
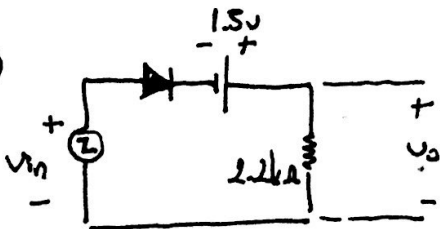
a)



$$4 - (0.6 + 1.5) = 1.9V$$



f)



$$4 + (1.5 - 0.6) = 4.8V$$