ECSE-2010

Introduction to Electronics
Summer 2020

Team Assignment 2

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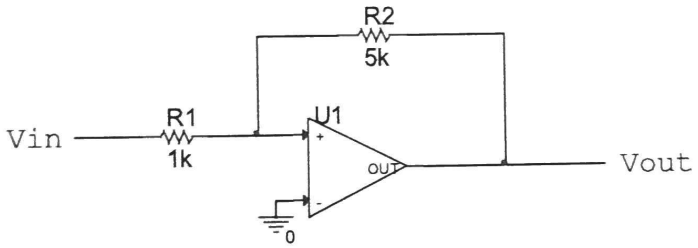
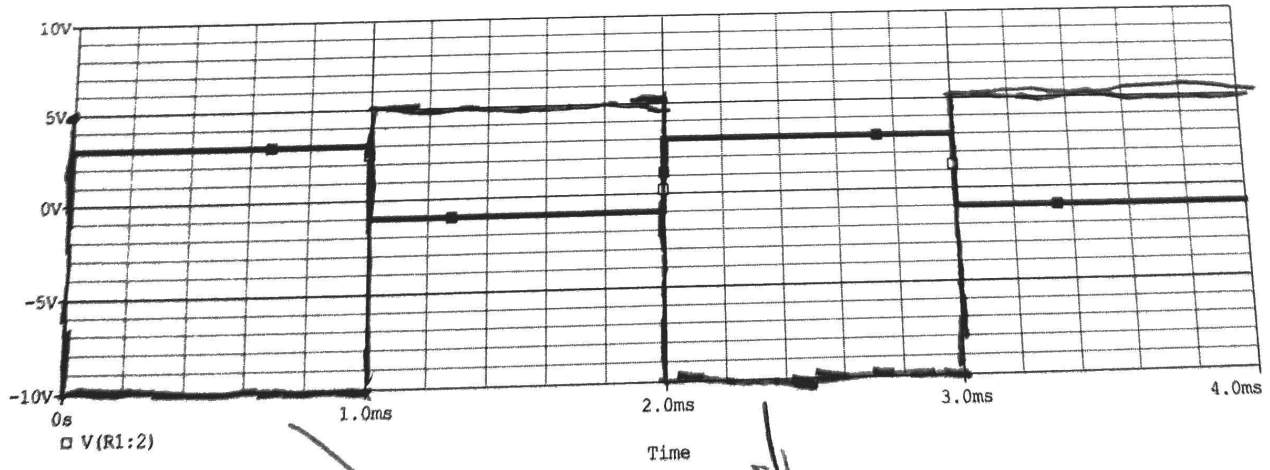
All op-amps in this assignment have the following spec sheet values

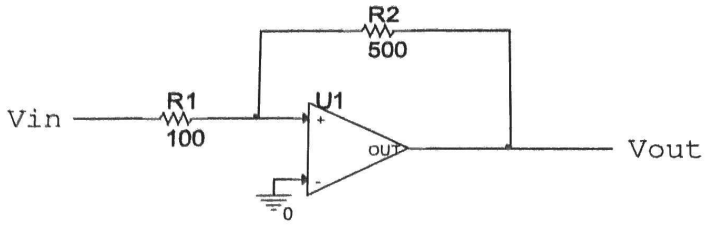
Vsat = +/- Vsupply = +/- 10V
Isat = +/- 10mA
Slew rate = 5V/μs



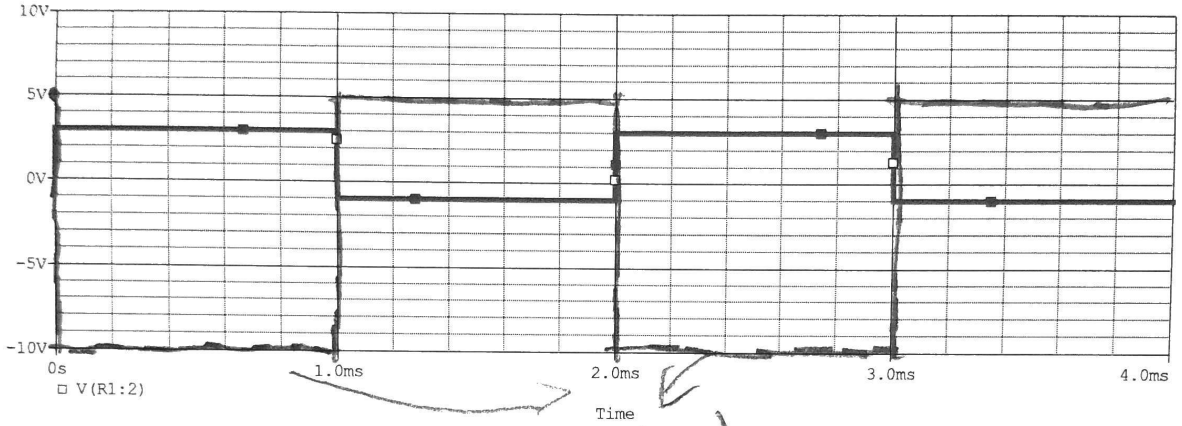
An input voltage for the above op-amp circuit is shown on the following plot. Note, the voltage is not symmetric about the time axis. On the same plot, draw the output voltage. (2 pts)



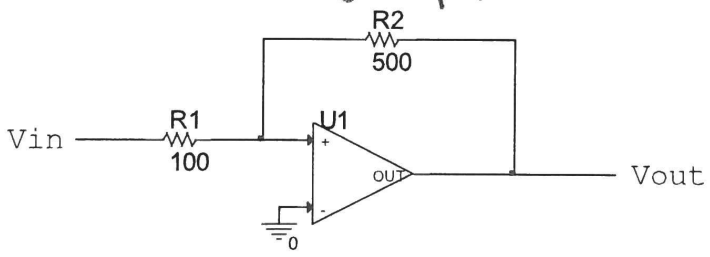
Output



An input voltage for the above op-amp circuit (the resistors have changed) is shown on the following plot. Note, the voltage is not symmetric about the time axis. On the same plot, draw the output voltage. (4 pts)



Output



An input voltage for the above op-amp circuit is shown on the following plot. (The time scale changed.) Note, the voltage is not symmetric about the time axis. On the same plot, draw the output voltage. (4 pts)