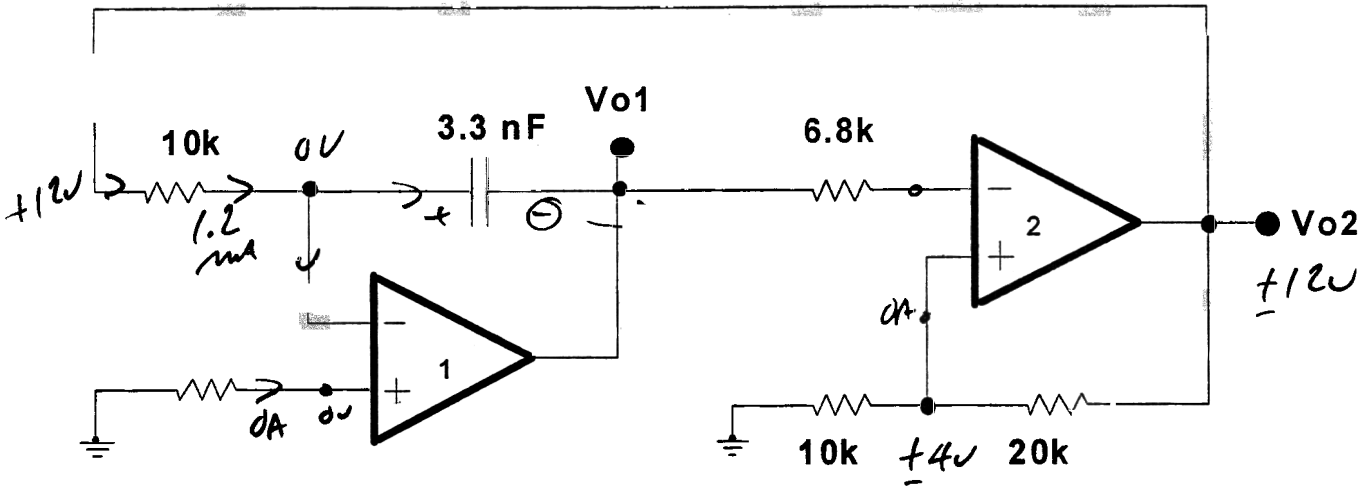


NAME: SOLUTIONS 12



Assuming the op amps are powered with $\pm 12V$ and have rail to rail outputs, sketch the waveforms of V_{O1} and V_{O2} showing peak voltages and times. Formula: $I_c = C \frac{dV}{dt}$

V_{O1} and V_{O2} showing peak voltages and times. Formula: $I_c = C \frac{dV}{dt}$

$$m = \frac{I_c}{C} = \frac{1.2 \text{ mA}}{3.3 \text{ nF}} = 363.63 \text{ V/\mu s} = \frac{dV}{dt}$$

$$\Delta t = \frac{T}{2} = \frac{\Delta V}{m} = \frac{8V}{363.63 \text{ V/\mu s}} = 22 \mu\text{s} \quad T = 44 \mu\text{s}$$

