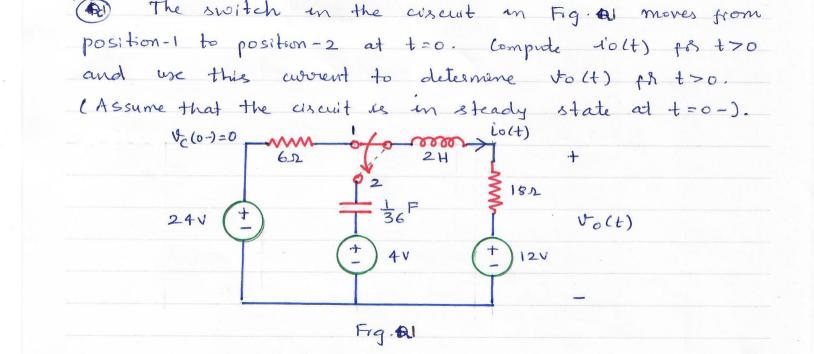
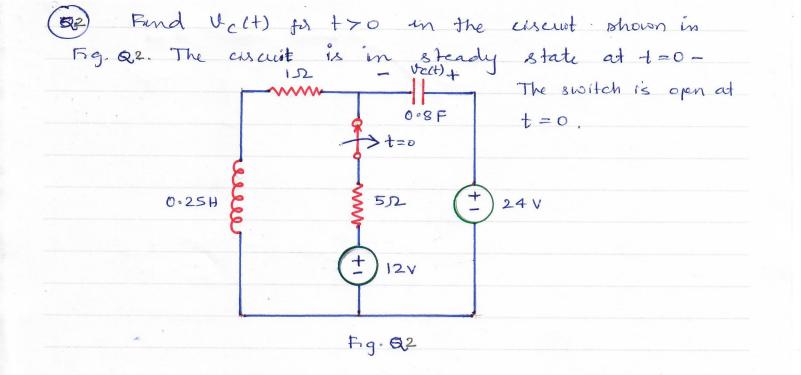
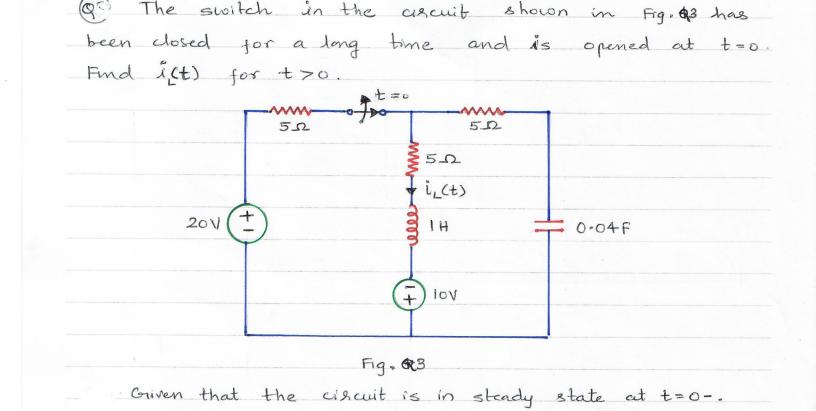
Tutorial Sheet -7 IEC102







(9) The presponse of a series RLC circuit is $V_c(t) = 50 - 56.25e^{-t} + 6.25e^{-9t}$ and $4_{L}(t) = 506.25e^{-t} - 506.25e^{-9t}$ where Vc(t) and i'_(t) are the capacitor voltage and inductor currents respectively. Determine the values of R, L, and C.