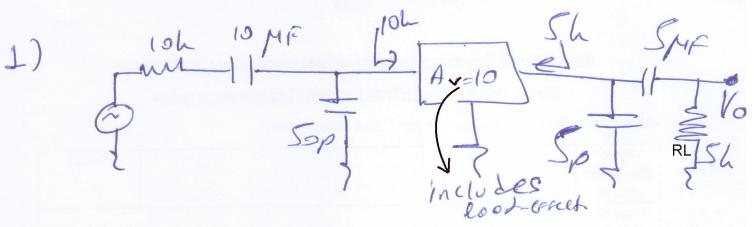
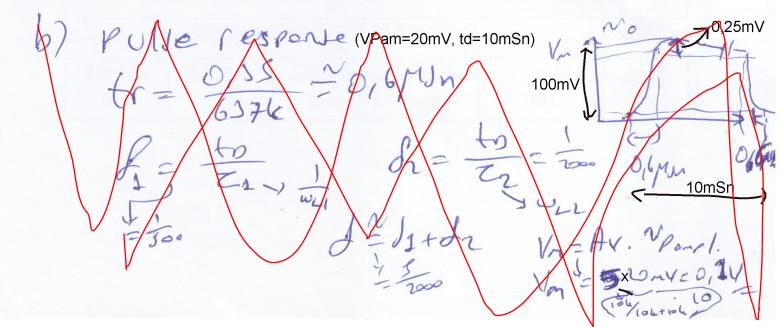
Summer 19-MTL-Jolutton



a) cutoff frequencies Low prequency replan  $\frac{1}{10 \text{ MF. (IOL + IOL)}} = \frac{1}{5 \text{ MF}(5 \text{ L} + 5 \text{ K})} = 1$ WLI Fic=4Hz 2012/Jul W12

High Frequency repton  $= \frac{1}{50p.(10h/110h)} = 4Mra/2 Wuc = 4Mra/3.$ Wus = 1 5p (56/150) = 80 Mralf Fuc = 63 Flette cu uz



[VBE/= 0,61/ InA 13F=100 ph VT=25mV Che= Sop CLB=SP Vu the poles and the 200. *(a)* FAZ FEP= 1 27.100.10MF =  $k_{2T} = 160Hz$ Fic FLED 1 271 (66+66)10pm = 1,2Hz FLCc =

Jmi. lem d 1 Peruz 9mz Jer InA-0, Sat=0, Ing  $(c_{4}(1-(-1))=10pF$ (cbi =  $(c_{61}(1-\frac{1}{-1})=10)$ (660=  $Ful = \frac{1}{2\pi, 60pc.(Rullis)} = 1MHz$ 151= AF. - 9mi =Sh 2TT 10pf Jen 47 cbe2 SPF. Jh Ccb2 Gh 6k//6k 764 Fuc = Ful = 1 MHz

