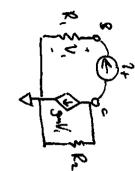
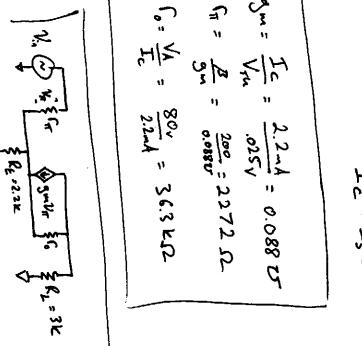
$$\frac{V_{2}(s)}{V_{2}(s)} = \frac{R \| \frac{1}{2s} - \frac{R}{RCS + 2R} \| = \frac{1}{RCS + 2R} \| \frac{1}{RCS + 2R} \| = \frac{1}{RCS + 2R} \| \frac{1}{RCS +$$





8.3 x10 A

8.31 x 10-18

45 4H

\$30K. K. T. = 10 A, VA, 00, VCESM= 0.2V, B=200

V== 0.6V, MuCos = 200 WE, 1=0

 $I_{b_i} \approx I_{c_i} = 60$ and Vc= Vo = Va - (Ic+ I + I +) RL = 3.2 v or 3.19 v Ib, = = = Mulox (Vos-VT) = = = 200M/v= (V1-0.6v) == 60M V= 1.374V ; or, with B considered: | V= 1.375 no rul difference.

Q1 :s always in the FAR. For M, Vbs ≥ V65-V+ ≥ 1.37v - 0.6v ≥ 0.77v Vbs, = V. - RB IB, - VBE, = 3.2v - RB Gond - 0.6v > 0.77 3.2 v-0.77v-0.6v > RB - RB - 6.1 MD