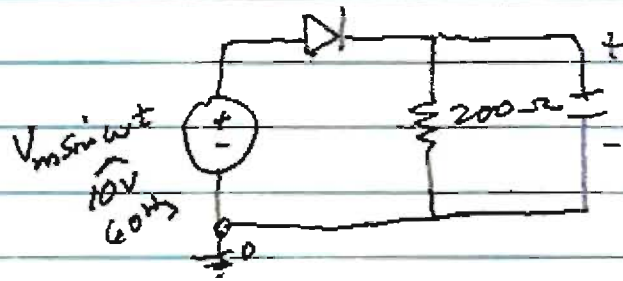
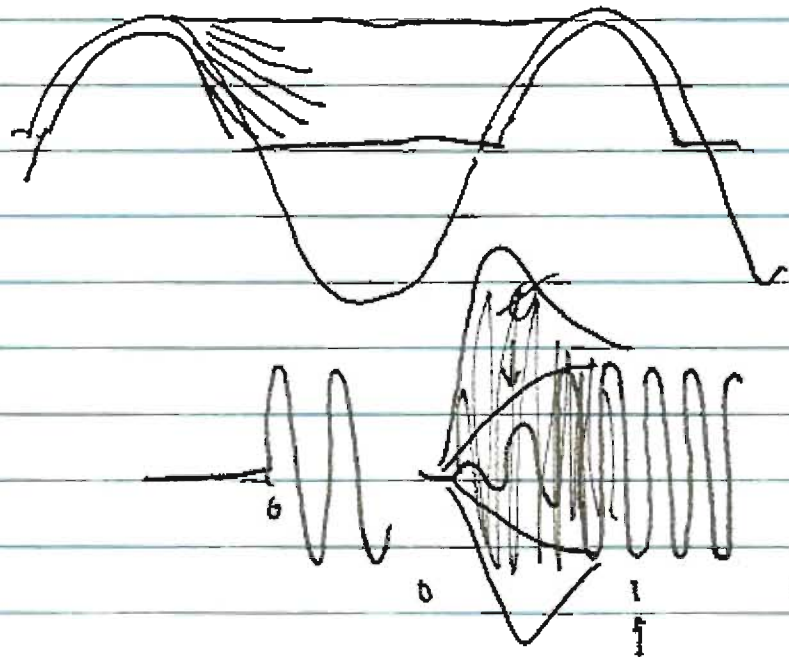
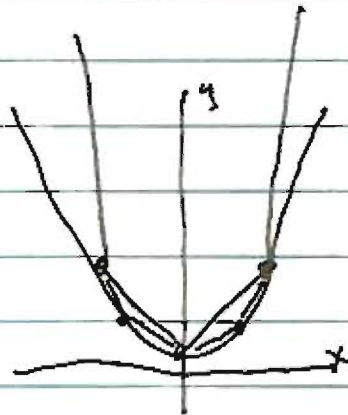


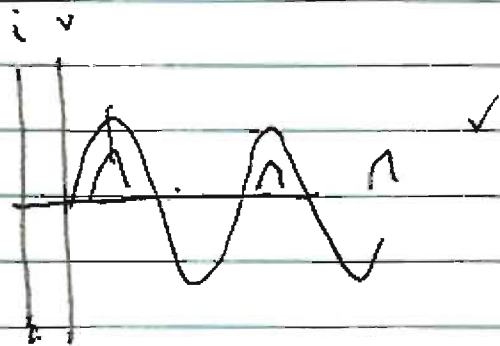
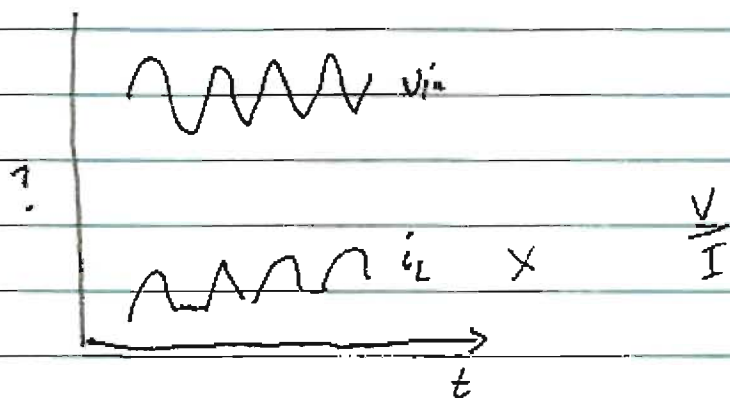
10/3/07 1/7

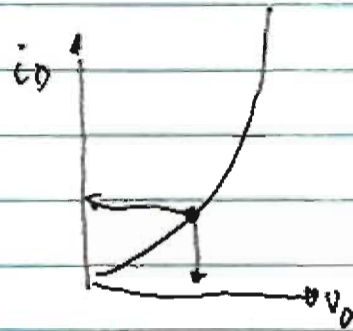
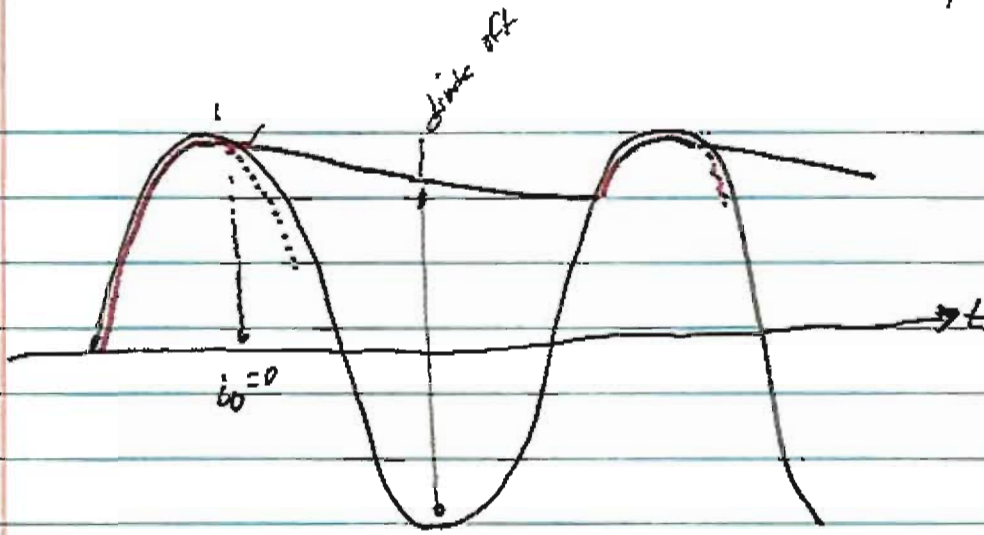


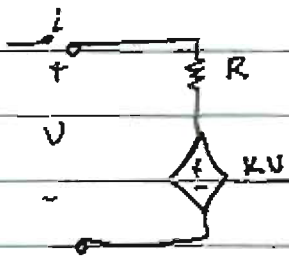
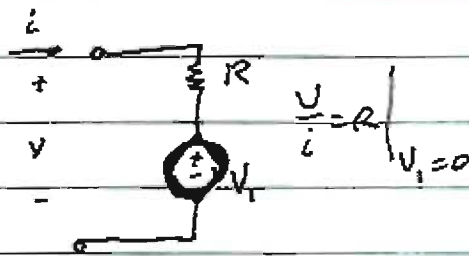
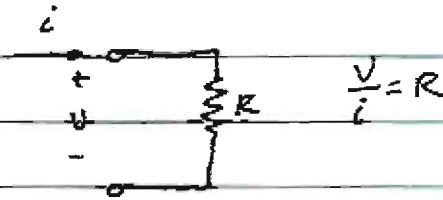
axide



10/3/07 2/7

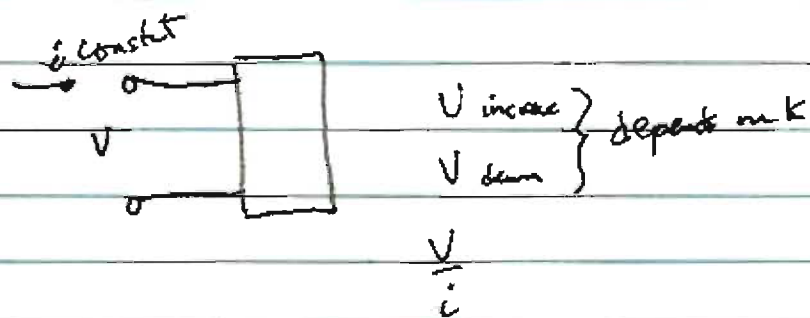
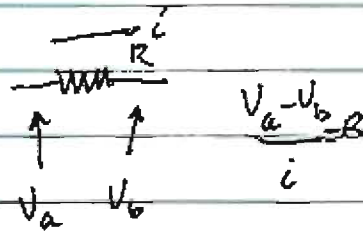




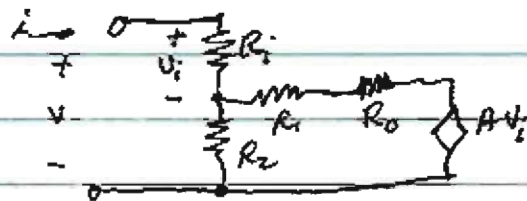
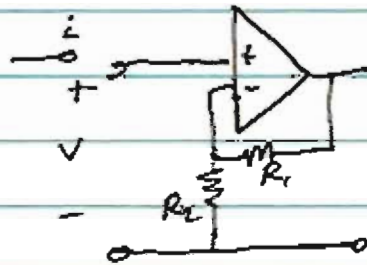


$$iR + kV = V$$

$$iR = (1-k)V \Rightarrow \frac{V}{i} = \frac{R}{1-k} = \left(\frac{1}{1-k}\right)R$$

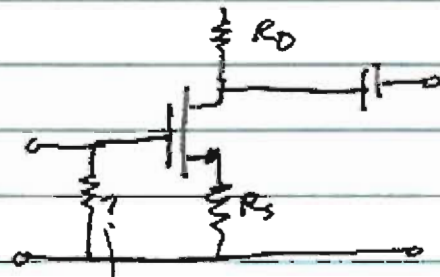


10/3/07 5/7



$$R_i + (R_2 \parallel (R_1 + R_o)) \neq \frac{v}{i}$$

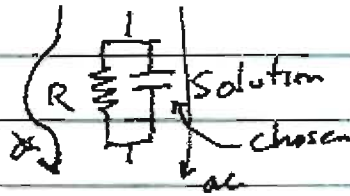
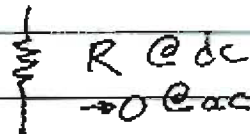
Common Source (CS)



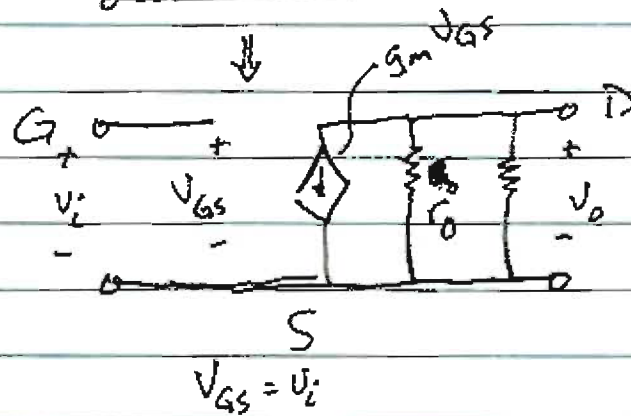
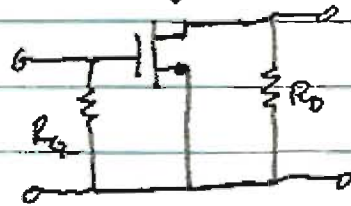
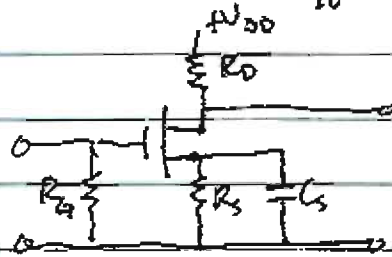
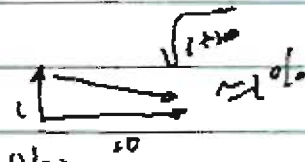
typically large
megohms

aside in PSpice
M = milli

Bypass Capacitor



$$|X_C| = \frac{1}{\frac{1}{100} R @ \text{the lowest freq used}}$$



10/3/07

7/7

