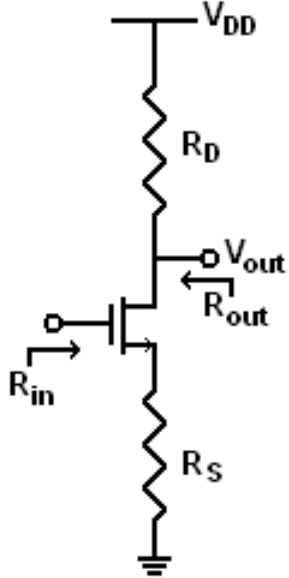
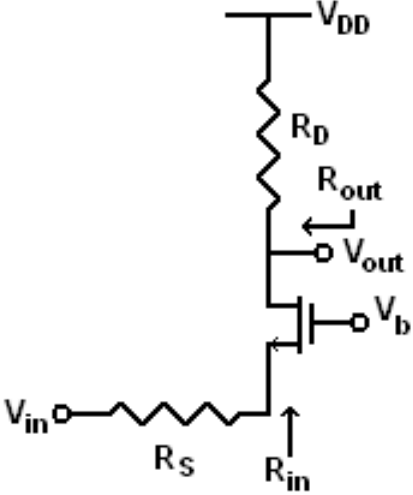
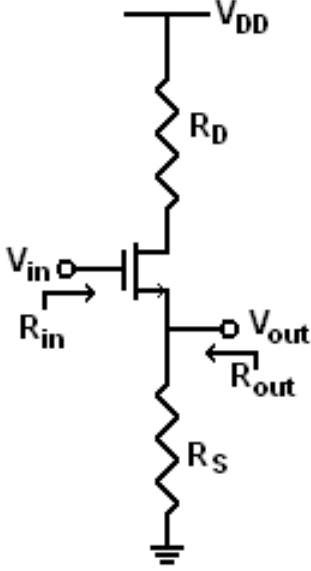


Common Source	Common Gate	Common Drain
		
$G_M = \frac{g_m}{1 + (g_m + g_{mb})R_S + \frac{R_S}{r_o}}$	$G_M = -\frac{(g_m + g_{mb}) + \frac{1}{r_o}}{1 + R_S(g_m + g_{mb}) + \frac{R_S}{r_o}}$	$G_M \cong -g_m$
$R_{out} = R_D \parallel [r_o + R_S + (g_m + g_{mb})r_o R_S]$	$R_{out} = R_D \parallel [r_o + R_S + (g_m + g_{mb})r_o R_S]$	$R_{out,source} = R_S \parallel \left[ \frac{r_o + R_D}{1 + (g_m + g_{mb})r_o} \right]$