

Answers to EEE210 Quiz #1 AY2013-2014

1. $v_o(t) = \frac{-g_m(R_3 \parallel R_4)}{1+g_m R_2} v_i(t)$
2. (a) If $D_1 \equiv$ reverse biased and $D_2 \equiv$ forward biased then $V_{out} = 40$ V and $V_{in} < 40$ V. The largest value of V_{in} is 40 V.
(b) $V_{out} = V_{in}$ ($D_1 \equiv D_2 \equiv$ forward biased).