

**Answers to EEE210 Quiz #3 AY2013-2014**

1.  $I_D = 7 \text{ mA}$ ,  $R_1 = 39.03 \text{ k}\Omega$ ,  $R_2 = 14.99 \text{ k}\Omega$ ,  $R_D = 1.5 \text{ k}\Omega$ ,  $R_S = 438 \text{ }\Omega$ .
2. Set all DC sources to 0, replace all capacitors by short-circuits, replace the MOSFETs by their small signal AC models and redraw. Easy. Refer to notes.

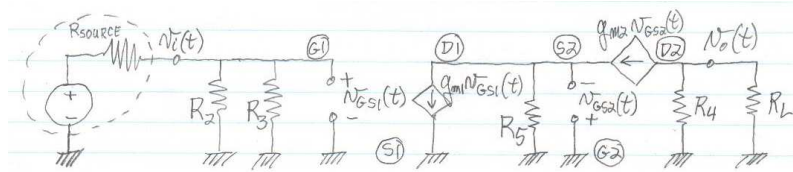


Figure 1: