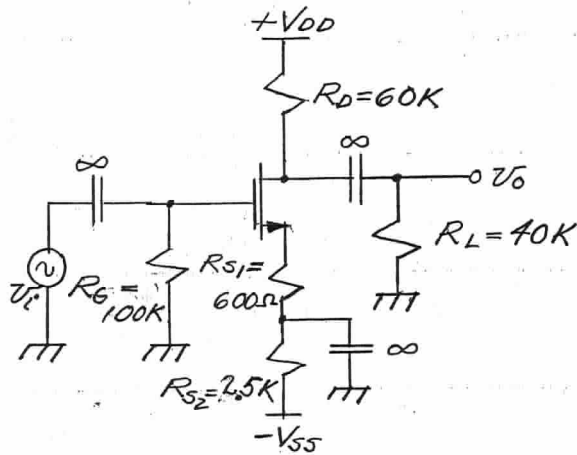# EE 311

1)

(5 pts) a) For the circuit shown, draw the complete small-signal equivalent circuit using the T model. Let $\lambda=0$. <u>Label all elements</u>.

b) Determine the value of the voltage gain, v_o/v_i, if $g_m = 1mA/V$?

v_o/v_i = _____ (5 pts)