

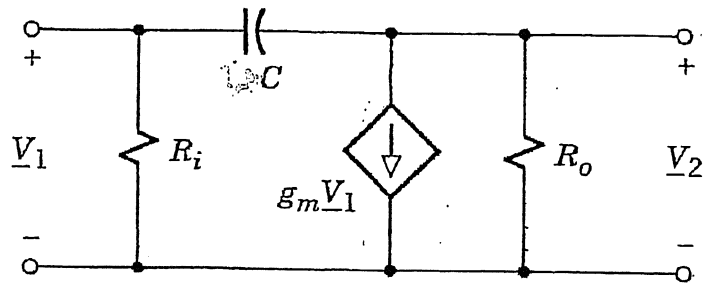
ECE 580

MIDTERM EXAMINATION

October 30, 2017

1.a Find the \underline{Y} matrix of the circuit shown.

b. Find the voltage gain V_2/V_1 of the amplifier shown when a load R_L is connected to the output port.



2. The two-ports shown have same impedance matrices. Find the impedance Z_x .

