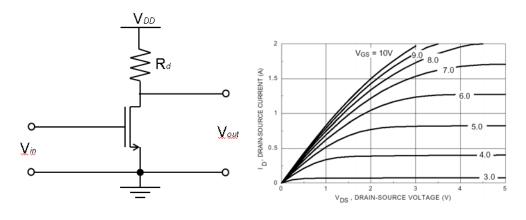
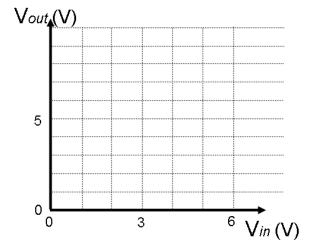
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Section:_	
Date:_	

UNIVERSITY OF CALIFORNIA, BERKELEY EE40: Introduction to Microelectronic Circuits CS Amplifier Prelab

 Given the I-V Characteristic graph shown below, use the load-line analysis technique to determine how the output voltage of a common-source amplifier changes with input (gate bias) voltage (Rd = 10 ohm, Vdd=5V)





2. Identify the range of input voltages for which high voltage gain (large change in output voltage for a given change in input voltage) is achieved. Estimate the best DC operating point (V_input, V_output).