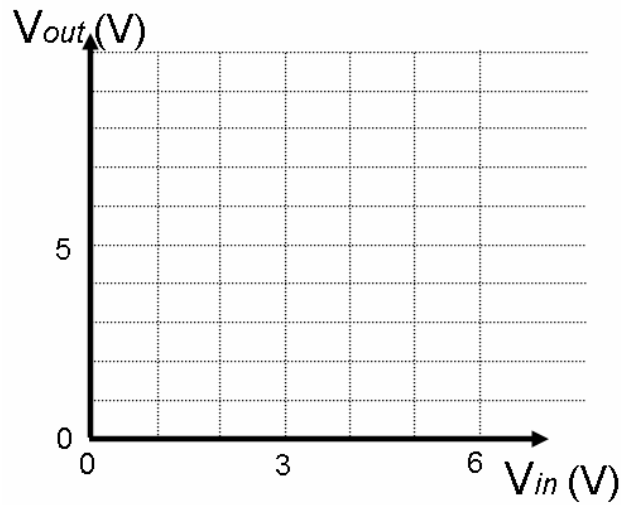


Name: _____.
Student ID: _____.
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Student ID: _____.
Section: _____.
Date: _____.

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

1. Adjust V_{in} from 0V to 6V, draw graph of V_{in} - V_{out}



2. Where is the optimal point (maximum slope) ?

$$V_{in,op} =$$

$$V_{in,op} =$$

Maximum slop:

3. If $R_1=10k$, find the right R_2 to get the optimal bias for the amplifier
 $R_2 =$

4. Find the gain of the amplifier for small signal

5. Draw the output waveform when the amplitude of the input signal is 3 volts. Explain why