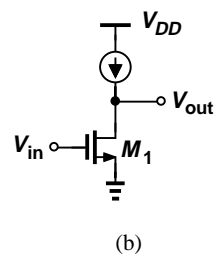
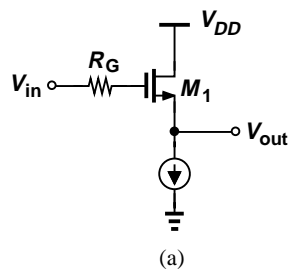


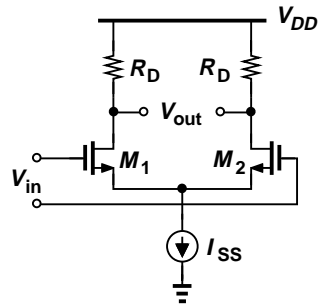
Quiz

Name:.....

1. Why do we bias transistors?
2. What is the difference between small-signal operation and large-signal operation?
3. Why is the supply voltage considered “ac ground” in small-signal analysis?
4. What is the definition of transconductance?
5. Name two benefits of using feedback in analog circuits.
6. What is the low-frequency output impedance of each of these circuits?



7. What is the small-signal gain of this circuit?



8. Sketch V_{out} as a function of V_{in} for this circuit.

