

Quiz #6 EE 420/ECG 620 Spring 2019

Name: \_\_\_\_\_

Closed book and notes.

1. How does open-circuit gain change with changes in  $V_{GS}$ . (1 point)
2. How does open-circuit gain change with changes in  $I_D$ . (1 point)
3. How does a device's  $f_T$  change with changes in  $V_{GS}$ ?
4. How does an NMOS's threshold voltage change with changing temperature? (1 point)