EE 330 Quiz #11

Name: Score

Grader:

Briefly answer the following questions:

1. A NMOST has three states.
	* Digital circuits use two state: \_\_\_\_off\_\_\_\_\_\_ and \_\_\_\_triode\_\_\_\_\_
	* Analog circuits use: \_\_\_\_\_\_saturation\_\_\_\_
2. A NPN BJT also has three states.
	* Digital circuits use two state: \_\_\_off\_\_\_\_ and \_\_saturation\_\_
	* Analog circuits use: \_\_\_forward active\_\_
3. Q-points are also called operating point, bias point, quiescent point
4. When finding the quiescent point, we set the following to open or short:
	* Capacitors open
	* Inductors short
	* Small signal or AC voltage sources short
	* Small signal or AC current sources open