EE 330 Quiz #12

Name: Score

Grader:

Briefly answer the following questions:

1. A NMOST has three states.
   * Digital circuits use two state: \_\_cutoff\_\_ and \_\_\_\_triode\_\_\_\_\_
   * Analog circuits use: \_\_\_\_saturation\_\_\_\_\_
2. A NPN BJT also has three states.
   * Digital circuits use two state: \_\_cutoff\_\_\_ and \_\_\_saturation\_\_\_
   * Analog circuits use: \_\_\_forward active\_\_\_
3. Q-points are also called operating points, biasing points, quiescent points
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