

## EE 203 Electronics I

### Quiz # 4

**Name:**

**I.D.#**

**Ser.#**

**Sec.#**

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For the amplifier shown below, the transistor has  $\beta=100$  (Do not neglect the base current). Perform DC analysis to find  $I_C$  and confirm that the transistor is working in active mode. Then draw the small signal equivalent circuit of the amplifier.