

QUIZ NO. 1

NAME _____ Score _____ /10

The npn BJT transistor shown has the parameter of $\beta_F = 100$.
Assume that $V_{BEQ} = 0.6\text{V}$.

- Assume the BJT transistor is in the forward active region and find the value of R_E that gives a collector current of 1mA.
- What value of R_C will cause the base-collector junction to have zero volts (i.e., enter the saturation region for a BJT)?

