

## QUIZ NO. 8

NAME \_\_\_\_\_ Score \_\_\_\_\_ /10

A BJT amplifier is shown. Assume that the BJT has the small signal parameters of  $\beta_F = 100$ ,  $V_T = 25\text{mV}$ , and  $V_A = \infty$ .

- Find the midband voltage gain of this amplifier,  $V_{out}/V_{in}$ .
- Find the value of the lower -3dB frequency,  $f_L$ , in Hz, using any method that is appropriate.

