

**QUIZ NO. 8**

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

$r_{\pi}$  and  $\beta$  of the BJT shown are  $1\text{k}\Omega$  and 100, respectively. Find the numerical value of all zeros, poles, and the midband gain for the voltage transfer function,  $V_{\text{out}}(s)/V_{\text{in}}(s)$ . What is the lower -3dB frequency?

