

QUIZ NO. 5

NAME _____ Score _____ /10

An NPN BJT common-collector amplifier is shown. Assume the parameters of the transistor are $\beta_F = \beta_o = 100$, $V_T = 25\text{mV}$, and $V_A = \infty$. Find the numerical value for the small signal voltage gain, v_{out}/v_{in} , the input resistance, R_{in} , the output resistance, R_{out} , and the current gain, i_{out}/i_{in} .

