

**QUIZ NO. 7**

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

If  $k_n = 1\text{mA/V}^2$ ,  $V_{TN} = 1\text{V}$ ,  $I_{DS} = 0.5\text{mA}$  and  $\lambda = 0\text{V}^{-1}$ , find the numerical values of the following small signal functions:  $v_{o2}/v_{in}$ ,  $v_{o1}/v_{in}$ ,  $R_{o1}$  and  $R_{o2}$ .

