

## QUIZ NO. 11

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

The simplified schematic of a feedback amplifier is shown. Assume that all transistors are matched and  $g_m = 1\text{mA/V}$  and  $r_{ds} = \infty$ . Use the method of feedback analysis to find  $v_2/v_1$ ,  $R_{in} = v_1/i_1$ , and  $R_{out} = v_2/i_2$ .

