## QUIZ NO. 13

NAME Score $\qquad$ /10

The circuit shown is to be an oscillator. The transistors are identical with $r_{d s}=\infty$. (a.) Should the switch at the gate of M1 be connected to point $A$ or $B$ in order to oscillate? (b.) Find the frequency of oscillation in Hertz and the value of $g_{m}$ necessary for oscillation.


