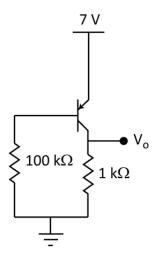
Name______ PID_____

Question 1 (10 points)

For this silicon transistor, β =200

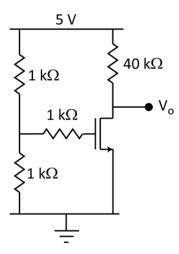
- (a) Determine which mode the transistor is in
- (b) Find V₀



Question 2 (10 points)

For this transistor, $V_T=2~V,~k_n{}'(W/L)=0.5~mA/V^2$

- (a) Determine which mode the transistor is in
- (b) Find V_0



Question 3 (10 points)

For these silicon transistors, β =50

- (a) Determine which mode <u>each</u> transistor is in
- (b) Find V₀

