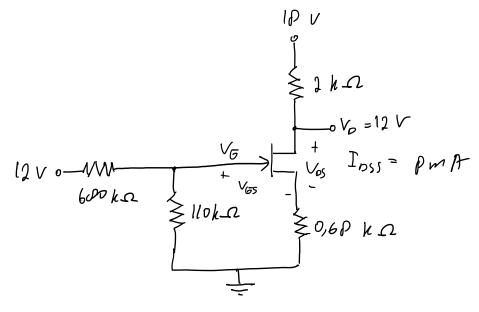
2.



$$\alpha. \ V_0 = V_{00} - 1_0 R_0$$

$$12 = 10 - I_0.2 k.\Omega$$

$$I_0 = \frac{6}{2000} = 3 \text{ mA}$$

$$V_6 : \frac{10}{240}$$
 12

d. 
$$P_D = P_{DSS} \left( l - \frac{V_{GS}}{V_P} \right)^2$$

$$3 mA = P mA \left( l - \frac{-0.37}{V_P} \right)^2$$

$$3 = O\left( \frac{V_P + 0.37}{V_P} \right)^2$$

$$3 = P. \frac{(V_P + 0.37)^2}{V_P^2}$$