$$Vout = -6 \cdot (-4) = 24$$
  $Vocc \rightarrow S$   $turntion$   $Vout = 10$   $Vout = 10$ 

Ph) 
$$V_{out} = -6.3V = -18V < -V_{EE} \rightarrow Seturation$$

$$V_{out} = -10V$$

$$3V = M$$
 $V_{p} = 3 - 2.0.93 = 1,14V$ 
 $V_{p} = 3 - 2.0.93 = 1,14V$ 

P5) 
$$V_P = V_N = \frac{V_m}{2}$$

$$\frac{V_m - \frac{V_m}{2}}{1K} = \frac{V_{out} - V_m V_z}{9K} \rightarrow \frac{9V_m}{2} = V_{out} - \frac{V_m}{2}$$

$$V_{out} = 5V_m \quad (When deale is m cut-off)$$