1. Vrms = 6.3 V Vp = Vrms • VZ = 8.91 V a) Vomax = Vp - V+h = 7.91V Vr= 0.25V = (Vp-V2N) T/RC T= 160 5 R=0.50 b) \$ ( = ( \p-V\_{\frac{1}{2}} \right) \right] = \partial \frac{1}{2} \frac{1}{ C) \$1/PIV= ZVp-Vth = 16.82V] 2.  $V_{eo} = 3.3V$   $T = \frac{V_{P} - V_{H}}{R} = \frac{V_{P} - V_{H}}{R} = \frac{30A}{R}$   $V_{P} = \frac{V_{o}}{R} \cdot \sqrt{2}$   $R_{o} = \frac{V_{o}}{I_{o}} = \frac{V_{P} - V_{H}}{R} = \frac{30A}{R}$ V<sub>tn</sub> = 0 V W= 60

C = VPT V = 1.5 · V<sub>to</sub> WE TO STORY ST. 2 14 288 8 a) C= IoT/V= = 30.0/60 = 10.1 F) 6) Vpiv = 2 Vpm Vtn = (9.33 v) c) = cos'(1- \frac{\sqrt{r}}{\sqrt{p}}) = \text{months of 31° = 0.54 rad DT= 01/W=0,0095/