

(5a

 $|P = \frac{q}{10T} \int \left[+ \cos(q\pi t) \right] \left[t - \frac{1}{4\pi t} \sin(a\pi t) \right]^{T}$

V = - P(Vp $V_{\nu} = -7 V_{\rho}$

b)
$$T = \sqrt{14} \frac{dP}{dt}$$

 $V_{v} = 1 \cdot \frac{dP}{dt}$

 $\prod_{V_{1}} V_{2} = V_{10} \frac{R_{2}}{\rho_{1}\rho_{2}}$ $V_{1} V_{1} + V_{1} V_{2} - V_{0} V_{1} \ge 0$ $R_{1} = R_{1} \frac{V_{2}}{V_{00}} - V_{1} \ge 1000 \frac{1.25}{5 - 1.27} = \frac{333}{5} \Lambda$

Obyte 1,00 ly med et