7. Dano:
$$C$$
, V_0 , R | $I(t)$
 $R = GV_0$ $g_0 = CV_0$

Harombrian cuna mora: $I_0 = \frac{V_0}{R}$
 $I = -\frac{dq}{dt}$
 $V_R = IR$
 $\frac{q}{C} = -\frac{dq}{dt}R$, $q = 3m0$ 3aprog faryement ocmalment

 $\frac{dq}{dt} = -\frac{1}{RC}\int_0^t dt$
 $\frac{dq}{dt} = -\frac{1}{RC}\int_0^t dt$
 $\frac{dq}{dt} = -\frac{t}{RC}$
 $\frac{q}{q_0} = \frac{e^{-\frac{t}{RC}}}{e^{-\frac{t}{RC}}}$
 $I = \frac{dq}{dt} = q' = \frac{t}{RC} - \frac{1}{RC}g_0e^{-\frac{t}{RC}}$
 $I = \frac{dq}{dt} = q' = \frac{t}{RC} - \frac{1}{RC}g_0e^{-\frac{t}{RC}}$
 $I = \frac{dq}{dt} = e^{-\frac{t}{RC}}$