



$$V_o(s) = \left[\frac{(-(G_m)(V_i(s))(100000[\Omega]) - V_o(s))}{100000[\Omega] + \frac{1}{s(1 \times 10^{-7}[F])}} \right] (10000[\Omega])$$

$$V_o(s) = \frac{-(G_m)(V_i(s))(1 \times 10^9[\Omega^2]) - (10000[\Omega])(V_o(s))}{100000[\Omega] + \frac{1}{s(1 \times 10^{-7}[F])}}$$

$$T_o(s) = \frac{V_o(s)}{V_i(s)} = \left(\frac{-1 \times 10^8[\Omega]}{100000[\Omega] + \frac{1}{s(1 \times 10^{-7}[F])}} \right) \left(1 + \frac{10000[\Omega]}{100000[\Omega] + \frac{1}{s(1 \times 10^{-7}[F])}} \right)$$