Vin(t) Pmox = $\frac{|V_L|^2}{4R_L} = \frac{4^2}{4x \ge 200} = [-818 \times 10^{-3} \text{W}]$ $Z_S = R + jwL$ $X_C = \frac{7539.8}{2} \Rightarrow \overline{mfx} = [C = 2.11 \times 10^{-9} \text{F}]$ $Z_L = \frac{R_L + L}{R_L + wc}$