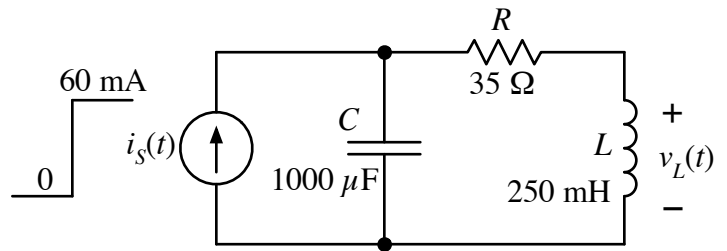The current source in the circuit at right steps
abruptly from 0 to 60 mA at t = 0.

a) Find the frequency-domain expression for the inductor voltage. Simplify the expression so that it is in the form of ratio of two polynomials.

$V_L(s) =$ _____

b) Find the corresponding time-domain expression for the inductor voltage.

$v_L(t) =$ _____