**Prob7.1:** Given $e(t) = 50e^{-100t}$ V, using Laplace Transform to find $i(t)$?

**Prob7.2:** There is no initial condition, using Laplace Transform to find $i(t)$?
**Homework 7: Application Laplace Transform to Circuit Analysis**

**Prob 7.3:** Given $R = 1 \, \Omega$, $L = 2 \, H$, $e(t) = 4u(t) \, V$, $i(0) = 1A$, using Laplace Transform to find $i(t)$?

**Prob 7.4:** Given $R = 3\, \Omega$, $L = 1H$, $C = 0.5F$, $e(t) = \delta(t)$, using Laplace Transform to find $i_L(t)$?
Prob7.5: Find $v_0(t)$ for $t > 0$?

Prob7.6: Determine $v_o(t)$ in the circuit, assuming zero initial conditions.