

Chapter 6, Solution 7.

$$\begin{aligned}v &= \frac{1}{C} \int i dt + v(t_o) = \frac{1}{25 \times 10^{-3}} \int_o^t 5tx10^{-3} dt + 10 \\&= \frac{2.5t^2}{25} + 10 = \mathbf{[0.1t^2 + 10] \text{ V.}}\end{aligned}$$