Chapter 7, Solution 60.

Let I be the inductor current.

For $t < 0$,　　　$u(t) = 0$　⟶　$i(0) = 0$

For $t > 0$,　　　$R_{eq} = 5 \| 20 = 4\ \Omega$,　　　$\tau = \dfrac{L}{R_{eq}} = \dfrac{8}{4} = 2$

$i(\infty) = 4$

$i(t) = i(\infty) + \left[i(0) - i(\infty) \right] e^{-t/\tau}$

$i(t) = 4\left(1 - e^{-t/2} \right)$

$v(t) = L\dfrac{di}{dt} = (8)(-4)\left(\dfrac{-1}{2} \right) e^{-t/2}$

$v(t) = \mathbf{16\,e^{-0.5t}\ V}$