

**Chapter 6, Solution 67.**

$$v_o = -\frac{1}{RC} \int v_i dt, RC = 50 \times 10^3 \times 0.04 \times 10^{-6} = 2 \times 10^{-3}$$

$$v_o = \frac{-10^3}{2} \int 10 \sin 50t dt$$

$$v_o = \mathbf{100 \cos(50t) \text{ mV}}$$