

Chapter 9, Solution 17.

$$V = V_1 + V_2 = 10 \angle -60^\circ + 12 \angle 30^\circ = 5 - j8.66 + 10.392 + j6 = 15.62 \angle -9.805^\circ$$

$$v(t) = 15.62 \cos(50t - 9.8^\circ) \text{ V}$$