Chapter 9, Solution 3.

(a) $10 \sin(\omega t + 30°) = 10 \cos(\omega t + 30° - 90°) = \mathbf{10\cos(\omega t - 60°)}$

(b) $-9 \sin(8t) = \mathbf{9\cos(8t + 90°)}$

(c) $-20 \sin(\omega t + 45°) = 20 \cos(\omega t + 45° + 90°) = \mathbf{20\cos(\omega t + 135°)}$

(a) 10cos(ωt – 60°), (b) 9cos(8t + 90°), (c) 20cos(ωt + 135°)