Example A-4: Here is a numerical example of adding two complex numbers given in polar form:

$$z_3 = 7e^{j4\pi/7} + 5e^{-j5\pi/11}$$
$$z_3 = (-1.558 + j6.824) + (0.712 - j4.949)$$
$$z_3 = -0.846 + j1.875$$
$$z_3 = 2.057e^{j1.995} = 2.057e^{j0.635\pi} = 2.057\angle 114.3°$$

Remember: When the angle appears in the exponent, its units must be in radians.