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**EXERCISE A.3:** Add and multiply the following, then plot the results in the complex plane:

$$z_4 = 5e^{j4\pi/5} + 7e^{-j5\pi/7}$$

$$z_5 = (5e^{j4\pi/5}) (7e^{-j5\pi/7})$$

The answers are  $z_4 = -8.41 - j2.534 = 8.783e^{-j0.907\pi}$  and  $z_5 = 35e^{j3\pi/35}$ .

