

**Example A-3:** Referring back to Fig. ??, the three complex numbers can be rewritten as follows:

$$2 \angle 45^\circ \quad \text{converts to} \quad z = 2e^{j\pi/4}$$

$$3 \angle 150^\circ \quad \text{converts to} \quad z = 3e^{j5\pi/6}$$

$$3 \angle -80^\circ \quad \text{converts to} \quad z = 3e^{-j4\pi/9} = 3e^{-j1.396}$$

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