

EX: Find $\text{Re}[7e^{j25^\circ}]$, (i.e., find the real part)

ANS: $7\cos(25^\circ) \approx 6.34$

SOL'N: The answer follows directly from Euler's formula (see tools for rectangular and polar forms for complex numbers):

$$Ae^{j\phi} = A \cos \phi + jA \sin \phi$$