

## PROBLEM:

Convert the following to rectangular form:

$$(a) \quad z = 20 e^{-j(\pi/4)}$$

$$(b) \quad z = 10 e^{j(3\pi/2)}$$

$$(c) \quad z = 4 \angle -(\pi/6)$$

$$(d) \quad z = 10 \angle (20\pi)$$

Give numerical values for the real and imaginary parts.