

PROBLEM:

Convert the following to rectangular form:

(a) $z = 3\sqrt{2} e^{-j(3\pi/4)}$

(b) $z = 5e^{j(\pi/2)}$

(c) $z = 4 \angle (\pi/3)$

(d) $z = 5 \angle (-61\pi)$

Give numerical values for the real and imaginary parts.