PROBLEM:

Convert the following to rectangular form:

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

(b) $z = 7e^{j(3\pi/2)}$

(c) $z = 1.6 \angle (\pi/3)$

(d) $z = 3 \angle (11\pi)$

Give numerical values for the real and imaginary parts.