PROBLEM:

Convert the following to polar form:

(a) $z = 0 - j3$

(b) $z = (1, -1)$

(c) $z = 3 - j4$

(d) $z = (0, 4)$

Convert the following to rectangular form:

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

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

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

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