PROBLEM:

Simplify the following complex-valued expressions:

(a) $(\sqrt{3} - j)^4$

(b) $(\sqrt{3} - j)^{-1}$

(c) $4e^{-j\pi/3} + 3e^{j\pi/6}$

Give the answers in *both* Cartesian $(x + jy)$ and polar form $(re^{j\theta})$.