Homework Problem #004

If $\mathbf{a} = 1 - j$, $\mathbf{b} = 2e^{j\pi}$, $\mathbf{c} = 3 + j5$, and $\mathbf{d} = 3\angle 60°$, determine

$$\mathbf{x} = \frac{\mathbf{a}^2 - \mathbf{b}^3}{\mathbf{c} \times \mathbf{d}}$$

and express your result in rectangular form.