

Homework Problem #038

If $\mathbf{I}_1 = 2\angle 0^\circ \text{ A}$, $\mathbf{I}_2 = 1\angle 90^\circ \text{ A}$, $\mathbf{I}_3 = 1\angle -90^\circ \text{ A}$ and $\omega = 2 \text{ rad/s}$ for all three, determine \mathbf{V}_1 , \mathbf{V}_2 and \mathbf{V}_3 in polar form. Show your work.

