PROBLEM:

form. Let

Simplify the following complex-valued expressions. In each case reduce the answers to a simple numerical

(b) Express the inverse of V in rectangular form. In addition plot $\frac{1}{V}$ as a vector.

(a) Express jV in polar form. In addition plot jV as a vector.

 $V = -\frac{1}{\sqrt{3}} - j$.

(c) If $Z = \frac{|V|}{V^*}$, express Z in polar form. In addition plot Z as a vector.

(d) Express $\Re\{i^3Ve^{j15t}\}\$ in the standard "cosine" form.