Simplify the following and give the answer in polar form. Make a plot of the vectors involved in the complex addition.
(a) $z_{a}=e^{-j(3 \pi / 4)}+\sqrt{2} e^{j(3 \pi / 4)}$
(b) $z_{b}=\sqrt{3} e^{j(5 \pi / 3)}+\sqrt{3} e^{j \pi / 3}-1$
(c) In addition, write the MATLAB statements that will perform the addition and also display the magnitude and phase of the result. Consult help on the SP-First functions: zprint, zvect, etc. Use these to check your hand calculations in parts (a) and (b).

