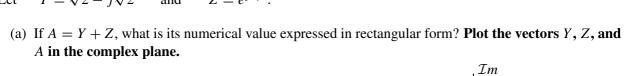
Simplify the following complex-valued expressions. In each case reduce the answers to a **simple** numerical form.

Let
$$Y = \sqrt{2} - j\sqrt{2}$$
 and $Z = e^{j\pi/3}$.
(a) If $A = Y + Z$, what is its numerical value expressed in rectangular form? **Plot the vectors** Y , Z , and





b) If
$$B = ZY^*$$
, what are the numerical values of the magnitude and phase associare representation?

(b) If $B = ZY^*$, what are the numerical values of the magnitude and phase associated with the polar form

(c) If $C = (jZ)^{65}$, what is its numerical value expressed in rectangular form?

PROBLEM: