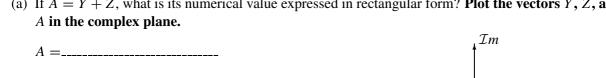


et  $Y = 1 + j\sqrt{3}$  and  $Z = e^{-j\pi/6}$ . (a) If A = Y + Z, what is its numerical value expressed in rectangular form? **Plot the vectors** Y, Z, and

PROBLEM:





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

(c) If  $C = (jZ)^{66}$ , what is its numerical value expressed in rectangular form?