1 a)
$$Z = 3 - 11i$$

 $Z^* = 3 + Mi$
 $Y = \sqrt{3^2 + 11^2} = 1$

$$\Upsilon = \sqrt{3^2 + 11^2} = \sqrt{130}$$

$$\varphi = \left(\alpha^{-1} \left(\frac{-11}{3}\right) = -1.7\Upsilon\right)$$