ES: $z = \underset{x}{\sqrt{3}} + \underset{y}{i} \Rightarrow |z| = \sqrt{\sqrt{3}^2 + 1} = \sqrt{4} = 2$ Modulo

θ / $\cos\theta = x/|z| = \frac{\sqrt{3}}{2}$
$\operatorname{Sin}\theta = y/|z| = 1/2$
$\Rightarrow 30^0$

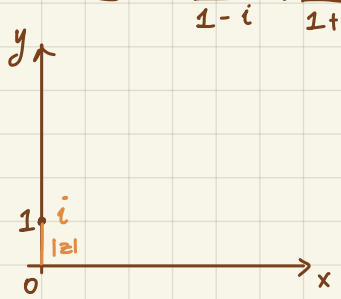
$\pi : 180 = x : 30$

$\frac{\pi \cdot 30}{180} = \frac{\pi}{6}$

$\Rightarrow z = 2\left(\cos\left(\frac{\pi}{6}\right) + \operatorname{Sin}\left(\frac{\pi}{6}\right)\right)$

Verifica $= 2\left(\frac{\sqrt{3}}{2} + \frac{1}{2}i\right) = \sqrt{3} + i$

ES: $z = \frac{1+i}{1-i} \cdot \frac{1+i}{1+i} = \frac{(1+i)^2}{1-i^2} = \frac{1+i^2+2i}{2} = \frac{1-1+2i}{2} = i \Rightarrow z = 0+1i$



$|z| = \sqrt{0+1} = 1 = \varphi$

θ / $\cos\theta = \frac{x}{\varphi} = 0$

$\operatorname{Sin}\theta = \frac{y}{\varphi} = \frac{1}{1} = 1$ $\Rightarrow 90^0$

Verifica: $z = 1\left(\cos\left(\frac{\pi}{2}\right) + i\operatorname{Sin}\left(\frac{\pi}{2}\right)\right) = (0+i) = i$

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