

	Questão 23 Representado em forma polar, um número complexo é dado por: $\underline{z} = e^{-\frac{2\pi}{3}}$. Qual alternativa apresenta Z^2 em forma retangular? A) $\frac{1-i\sqrt{3}}{2}$ B) $\frac{-1-i\sqrt{3}}{2}$ C) $\frac{1+i\sqrt{3}}{2}$ D) $\frac{-1+i\sqrt{3}}{2}$
	$Z = 1$ $I = los(\theta) + sin(\theta) \cdot i$ $P = 1$
	(os (21/3)+ sin (21/3)·i
	2 II = 360° = 120°
	$\sin(60^\circ) = \sqrt{3/2} = \sin(120^\circ)$ $-\cos(60^\circ) = -1/2 = \cos(120^\circ)$
	30 45 60 (200) + rsin (120) i
sim	$\frac{1}{2}\sqrt{2}\sqrt{3}$ $-\frac{1}{2}+\sqrt{3}\cdot i$
	$\begin{bmatrix} 2 & 2 & 2 & 2 & \overline{2} \\ \overline{-} & \overline{-} & \overline{-} & \overline{-} \end{bmatrix}$
los	$\frac{\sqrt{3}}{2} \frac{\sqrt{2}}{2} = \frac{1}{2} \frac{1}{2} = \frac{1}$
	$\frac{z}{z} = \left(-\frac{1}{2} + \frac{1}{2}i\right)\left(-\frac{1}{2} + \frac{1}{2}i\right)$
	1 1/31 - 1/21 + 3,12
	i = -1 4 4 4
	$\frac{1-3-2\sqrt{3}}{1}$
	ч ч <u>ч</u> — .
	$-2 - 2\sqrt{3}i$
	RESPOSTA: b -1 -1/3i
	2 2
	$-1-i\sqrt{3}$