a) (21)2. · Zx = r = Cos ( to to nx) + i Sn ( to tonk)] n= Va2+62 = V(2)2 = 2. Zx = (2) = [ Costo + 2 nk) + i Sen ( + 2 nk) | remplazando. K=0 ZK: (2) = [ (2) = [ (2) + 2 P(0) ) + i Sen ( 1/2 + 2 P(0) ) 7=(2)2[.co2(1/4)+iSen(1/4)] 20: (2) = [ 12 + ( [ 2] ]. = 1+1 -> primera ray.

$$R = 1.$$

$$2(n) = (2)^{\frac{1}{2}} \left[ \cos \left( \frac{9_{2} + 2P}{2} \right) + i \operatorname{Sen} \left( \frac{9_{3} + 2P}{2} \right) \right]$$

$$2(n) = (2)^{\frac{1}{2}} \left[ \cos \left( \frac{5P}{4} \right) + i \operatorname{Sen} \left( \frac{5P}{4} \right) \right]$$

$$2(n) = (2)^{\frac{1}{2}} \left[ -\frac{\sqrt{2}}{2} + i \left( -\frac{\sqrt{2}}{2} \right) \right]$$

$$2(n) = -1 - i = \operatorname{Segunda raig}$$

$$b) (1 - \sqrt{3}i)^{\frac{1}{2}}$$

$$\frac{7}{2} = r_{2}$$

$$(1 - \sqrt{3}i)^{\frac{1}{2}} = \sqrt{1+3} = \sqrt{4} = 2$$

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e) 
$$(-1)^{\frac{1}{3}}$$
 $|2| = V$ 
 $|2| = V$ 

para 
$$7 = 2$$
.

 $2(2) : \cos \left(\frac{2\pi(2)}{3}\right) + i \sin \left(\frac{2\pi(2)}{3}\right)$ .

 $2(2) : \cos \left(\frac{4\pi}{3}\right) + i \sin \left(\frac{4\pi}{3}\right)$ .

 $2(2) : -\frac{1}{2} + i \left(-\frac{\sqrt{3}}{2}\right) \Rightarrow tucura ray$ .

4) 
$$8^{6}$$
 $121 = 1 - 121 =$ 

para 
$$\frac{2}{2}$$
.

 $2(n):(8)^6 \left[ co \left( \frac{2n(2)}{6} \right) + i \sin \left( \frac{2n(2)}{6} \right) \right]$ 
 $\frac{2}{2(n)}:(8)^6 \left[ co \left( \frac{4n}{6} \right) + i \sin \left( \frac{4n}{6} \right) \right]$ .

 $\frac{2}{2(n)}:(8)^2 \left[ -\frac{i}{2} + i \left( \frac{\sqrt{3}}{3} \right) \right] = -\frac{\sqrt{2}}{2} + i \left( \frac{\sqrt{6}}{2} \right)$ 
 $\frac{2}{2(n)}:(8)^6 \left[ cos \left( \frac{2n(3)}{6} \right) + i \sin \left( \frac{2n/3}{6} \right) \right]$ 
 $\frac{2}{2(n)}:(8)^6 \left[ cos \left( \frac{2n(3)}{6} \right) + i \sin \left( \frac{2n/3}{6} \right) \right]$ 
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 $\frac{2}{2}:(8)^6 \left[ cos \left( \frac{2n(3)}{6} \right) + i \cos \left( \frac{2n(3)}{6} \right) \right]$ 

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72000 = (8)^{6} \left[ cop \left( \frac{2\pi(5)}{6} \right) + i Sm \left( \frac{2\pi(5)}{6} \right) \right]
2(5) = (8)^{6} \left[ cop \left( \frac{10\pi}{6} \right) + i Sm \left( \frac{10\pi}{6} \right) \right]
2(5) = (8)^{6} \left[ \frac{1}{2} + i \left( -\frac{13}{2} \right) \right] = \sqrt{2} - i \sqrt{6}
2(5) = (8)^{6} \left[ \frac{1}{2} + i \left( -\frac{13}{2} \right) \right] = \sqrt{2} - i \sqrt{6}
Sexta row
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