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Pregunta 1
Resolved la ecuacion
```

(1,0) + (x,y) + (x,y)(x,y) = (0,0)

```
1+2+24 pera 2 = CK, Y) escribio
(1,0) + (x,y) + (x,y)(x,y) = (0,0)
(x,1)(x,4) = (x,-4, 5x4)
 (1,0) +(x,y) + (x2-y2 ,zxy)
 x-y+ +x +1 ) y+2xy+0 + (0,0)
      x - 7 + x + 1 +0
   y+z+y = 0
     9 (1 + 2 + 1) y
3 - 4 - 1
        (+),-A,+(-1)+1
        -y2+4+1 0
             4. + f - 0 A, +
4.25
s1:(-1~直) s7。(-1~重)
p. p. doc pi synowies
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Pregunta 2

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Calcular el valor del a
```

z = 2 + 2i

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z = z + zi

z = (\sqrt{3} + i)

z = \frac{1+2i}{2}
 z = -\frac{2}{1+\sqrt{2}i}
```

Pregunta 3

gresando los factores indi finalmente, cambiar a coordenadas recta probar sel las signientes igualdades:

- $\begin{array}{l} \bullet \ i(1-\sqrt{3}i)(\sqrt{3}+i)=2(1+\sqrt{3}i) \\ \bullet \ (-1+i)^7=-8(1+i) \\ \bullet \ (1+\sqrt{(3)}i)^{-23}=2^{-11}(-1+\sqrt{3}i) \end{array}$

```
i=reiq=1.61=5(1+12K)
1-121 = Leid - L = 11 - 121 = 11+3 = 5
4 = arcta (-15) = argta (-11) = -1x
 e16 = (02 (b) +1 = = (b)
 1-438 = 70((-3)
 1+V51 = reig , r=11+V5/=V1+3=2
 φ= ang tg ( 15 ) = II
 1+ 1512 Zeit
 : eit. 2 eit 2 2 4 ei (2 - 3 + 1 ) qei (2 )
     = qe'等 → q(ws(等)+ism(子)
      = 4(1/41/2) = 2(1+1/1)
```