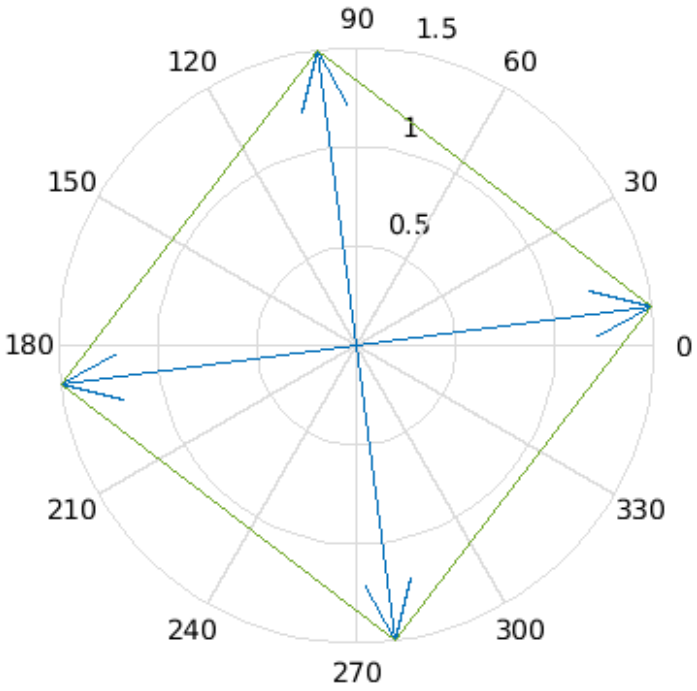
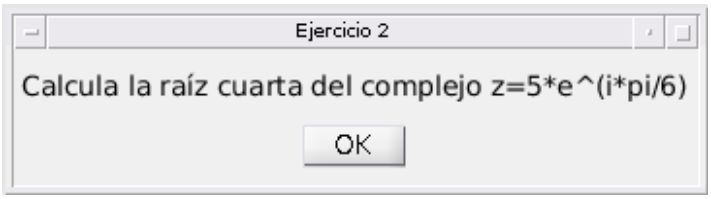
```
%Ejercicio 2%
%Calcula la raíz cuarta de z%
m=msgbox('Calcula la raíz cuarta del complejo
 z=5*e^(i*pi/6)','Ejercicio 2');

%valores%
m2='Valores a tomar en cuenta';
z=5*(cos(pi/6)+i*sin(pi/6))
arg=angle(z)
r=abs(z)
n=4

%Cálculo de resultados%
m3='Cálculos';
k=0;
z0=r^(1/n)*exp((arg+2*k*pi)/(n)*1i)

k=1;
z1=r^(1/n)*exp((arg+2*k*pi)/(n)*1i)

k=2;
z2=r^(1/n)*exp((arg+2*k*pi)/(n)*1i)

k=3;
z3=r^(1/n)*exp((arg+2*k*pi)/(n)*1i)

%Comprobación%
Cz0=z0^4
Cz1=z1^4
Cz2=z2^4
Cz3=z3^4

%Graficación%
m4='Gráfica';
compass([z0,z1,z2,z3])

hold on;
plot([z0,z1,z2,z3,z0])


z =

   4.3301 + 2.5000i


arg =

    0.5236


r =

     5
```

```
n =

     4

z0 =

   1.4826 + 0.1952i

z1 =

  -0.1952 + 1.4826i

z2 =

  -1.4826 - 0.1952i

z3 =

   0.1952 - 1.4826i

Cz0 =

   4.3301 + 2.5000i

Cz1 =

   4.3301 + 2.5000i

Cz2 =

   4.3301 + 2.5000i

Cz3 =

   4.3301 + 2.5000i
```





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