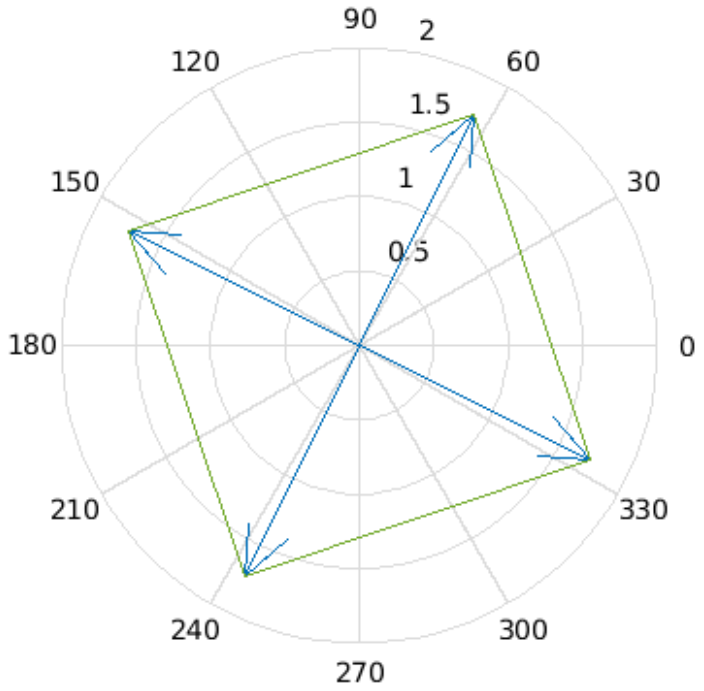
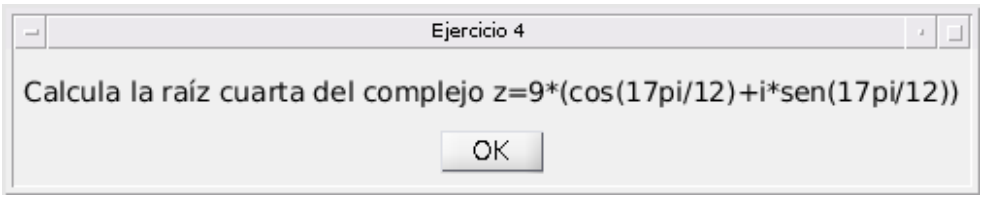
```
%Ejercicio 5%
%Calcula la raíz cuarta de z%
m=msgbox('Calcula la raíz cuarta del complejo
 z=9*(cos(17pi/12)+i*sen(17pi/12))','Ejercicio 4');

%valores%
m2='Valores a tomar en cuenta';
z=9*(cos(17*pi/12)+1i*sin(17*pi/12))
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 =

  -2.3294 - 8.6933i


arg =

   -1.8326


r =

     9
```

```
n =

     4

z0 =

   1.5534 - 0.7661i

z1 =

   0.7661 + 1.5534i

z2 =

  -1.5534 + 0.7661i

z3 =

  -0.7661 - 1.5534i

Cz0 =

  -2.3294 - 8.6933i

Cz1 =

  -2.3294 - 8.6933i

Cz2 =

  -2.3294 - 8.6933i

Cz3 =

  -2.3294 - 8.6933i
```





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