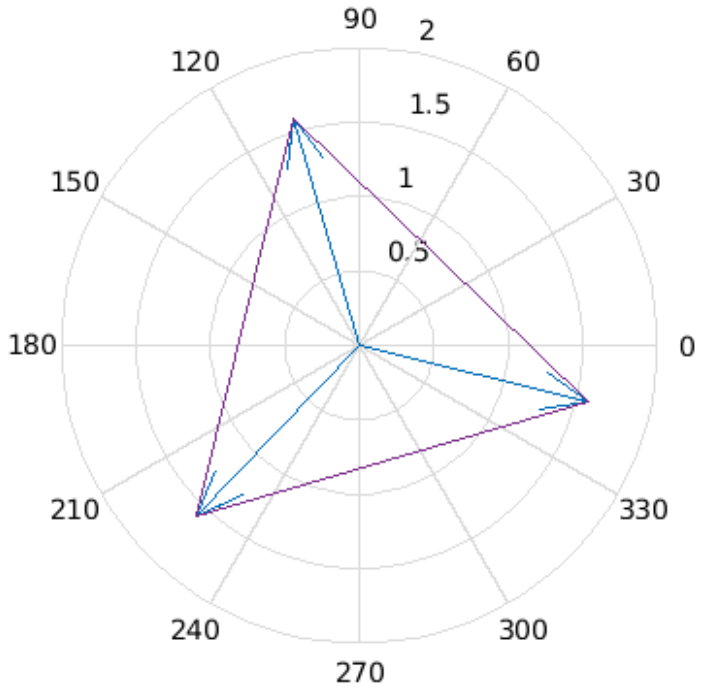
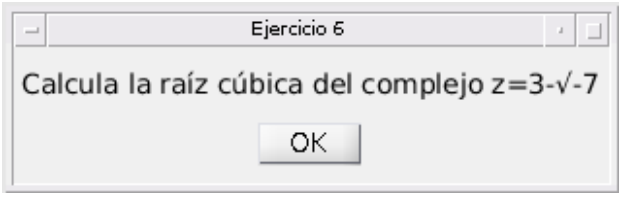
```
%Ejercicio 6%
%Calcula la raíz cúbica de z%
m=msgbox('Calcula la raíz cúbica del complejo z=3-#-7','Ejercicio 6');

%valores%
m2='Valores a tomar en cuenta';
z=3-(sqrt(-7))
arg=angle(z)
r=abs(z)
n=3

%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)

%Comprobación%
Cz0=z0^3
Cz1=z1^3
Cz2=z2^3

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

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

```
z =

   3.0000 - 2.6458i


arg =

   -0.7227


r =

     4


n =

     3
```

```
z0 =

   1.5416 - 0.3787i

z1 =

  -0.4428 + 1.5244i

z2 =

  -1.0988 - 1.1457i

Cz0 =

   3.0000 - 2.6458i

Cz1 =

   3.0000 - 2.6458i

Cz2 =

   3.0000 - 2.6458i
```




*Published with MATLAB® R2021a*