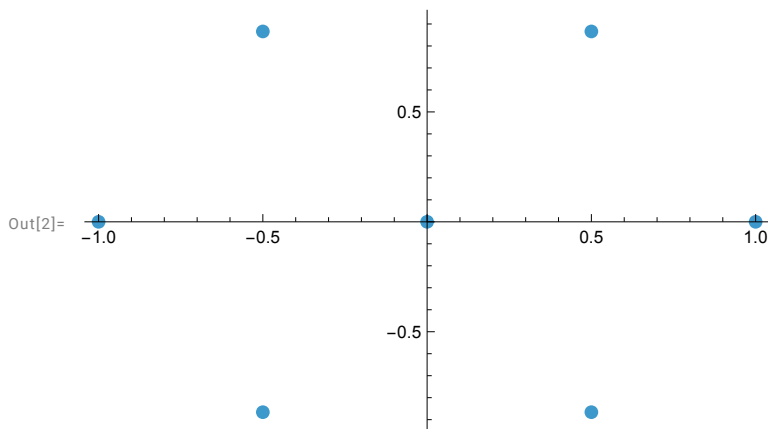


Calcula y representa gráficamente las raíces de un polinomio. Tomado del capítulo 5, pag 90, Mathematica al 99%.

```
In[1]:= DibujaRaices[polinomio_, var_] :=
Module[{puntos = {}, lista = {}, raiz = 0},
  lista = var /. NSolve[polinomio == 0, var];
  While[lista != {}, raiz = N[First[lista]];
    lista = Delete[lista, 1];
    AppendTo[puntos, {Re[raiz], Im[raiz]}]];
  Print[puntos];
ListPlot[puntos, PlotStyle -> PointSize[0.02]]
```

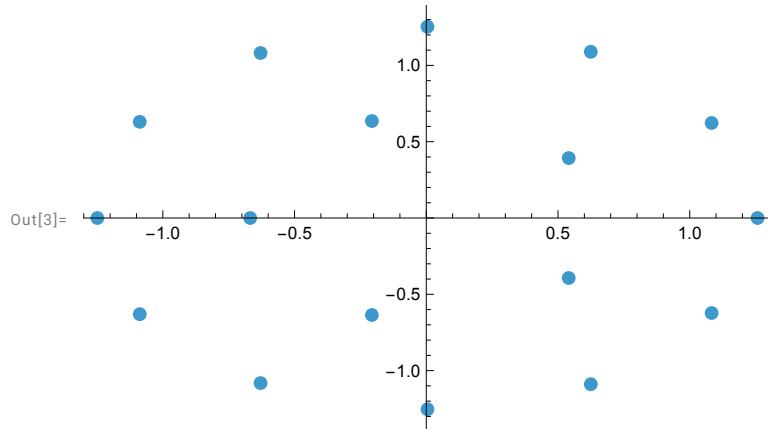
DibujaRaices $[x^7 - x, x]$

```
{{-1., 0}, {-0.5, -0.866025}, {-0.5, 0.866025},
{0., 0}, {0.5, -0.866025}, {0.5, 0.866025}, {1., 0}}
```



In[3]:= **DibujaRaices**[$x^{17} - 15x^5 - 2$, x]

```
{ {-1.24848, 0}, {-1.08752, -0.630321}, {-1.08752, 0.630321}, {-0.668396, 0},
  {-0.629009, -1.08138}, {-0.629009, 1.08138}, {-0.206467, -0.635573},
  {-0.206467, 0.635573}, {0.00449579, -1.25333}, {0.00449579, 1.25333},
  {0.540664, -0.392899}, {0.540664, 0.392899}, {0.624494, -1.08917},
  {0.624494, 1.08917}, {1.08302, -0.622501}, {1.08302, 0.622501}, {1.25751, 0} }
```



In[4]:= **DibujaRaices**[$x^3 - x$, x]

```
{ {-1., 0}, {0., 0}, {1., 0} }
```

