```
>
>
>
> restart;
>
> k:=1.05;NNN:=3;
```

$$k := 1.05$$

$$NNN := 3$$

```
> resh:=[solve(lambda^NNN=(-k),lambda)];
```

$$resh := [0.5081981784 + 0.8802250653\,I,\ -1.016396357,\ 0.5081981784 - 0.8802250653\,I]$$

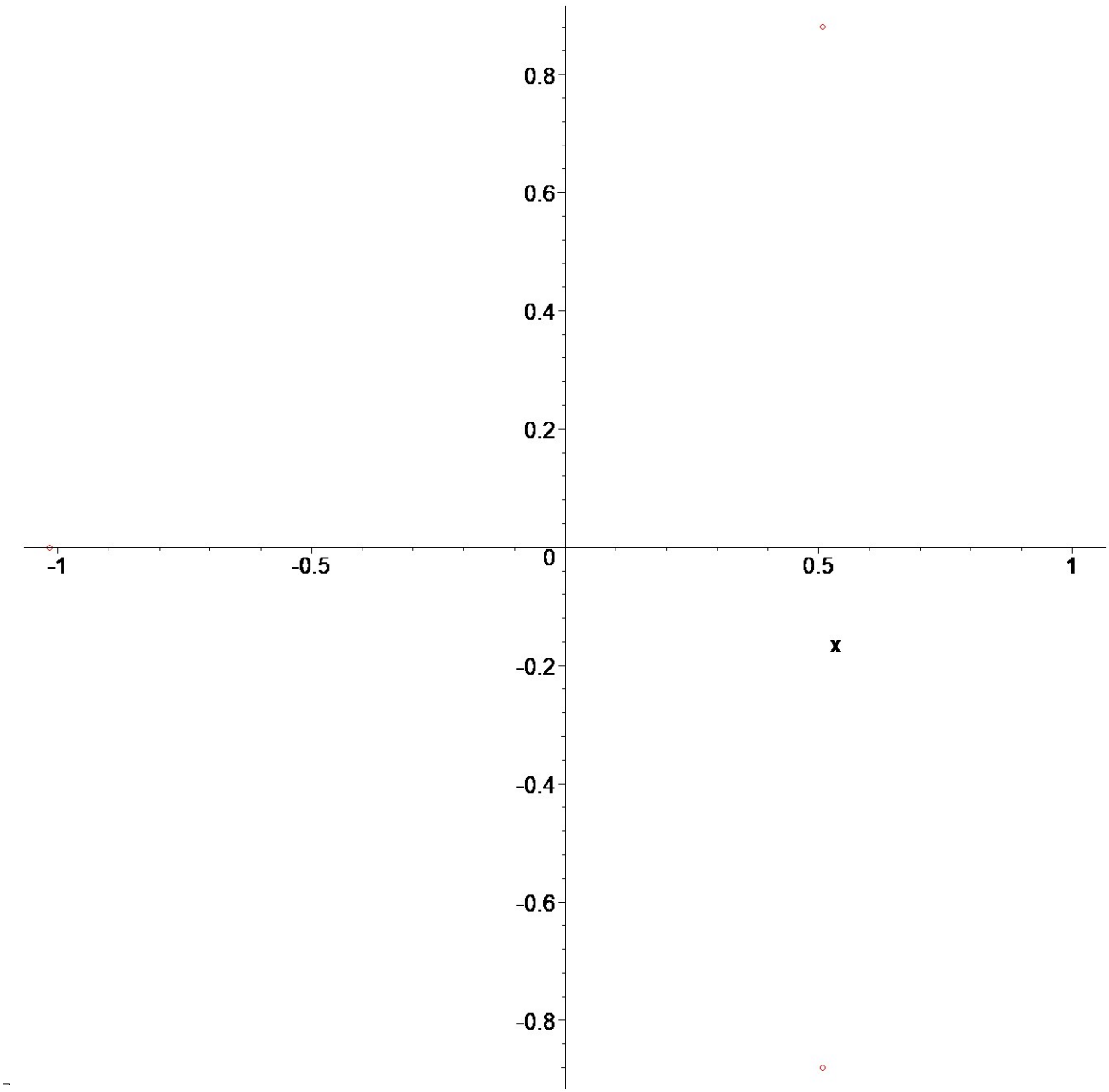
```
> radius:=(k)^(1/NNN);
```

$$radius := 1.016396357$$

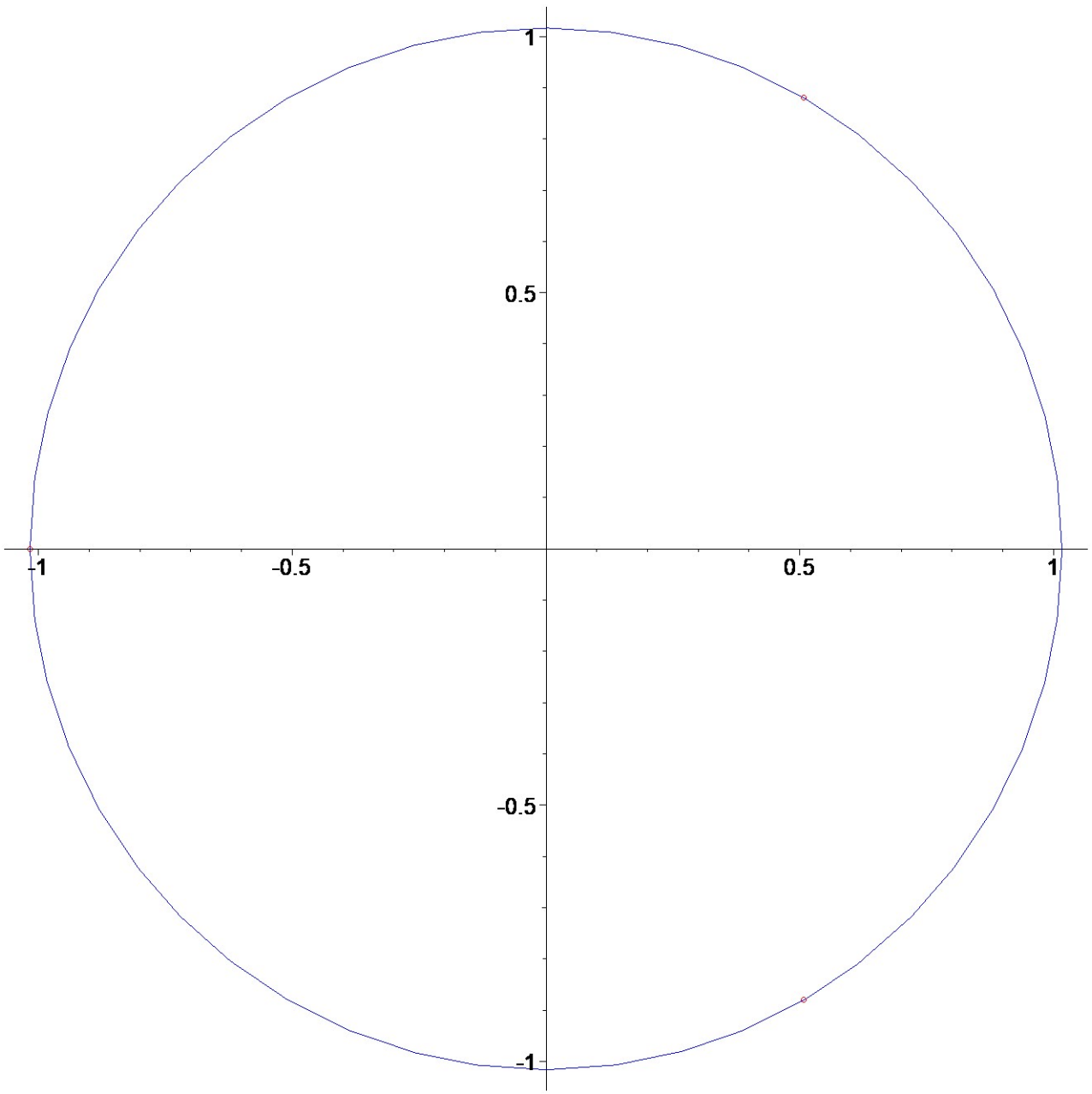
```
> with(plots);
```

[*Interactive*, *animate*, *animate3d*, *animatecurve*, *arrow*, *changecoords*, *complexplot*, *complexplot3d*, *conformal*, *conformal3d*, *contourplot*, *contourplot3d*, *coordplot*, *coordplot3d*, *cylinderplot*, *densityplot*, *display*, *display3d*, *fieldplot*, *fieldplot3d*, *gradplot*, *gradplot3d*, *graphplot3d*, *implicitplot*, *implicitplot3d*, *inequal*, *interactive*, *interactiveparams*, *listcontplot*, *listcontplot3d*, *listdensityplot*, *listplot*, *listplot3d*, *loglogplot*, *logplot*, *matrixplot*, *multiple*, *odeplot*, *pareto*, *plotcompare*, *pointplot*, *pointplot3d*, *polarplot*, *polygonplot*, *polygonplot3d*, *polyhedra_supported*, *polyhedraplot*, *replot*, *rootlocus*, *semilogplot*, *setoptions*, *setoptions3d*, *spacecurve*, *sparsematrixplot*, *sphereplot*, *surfdata*, *textplot*, *textplot3d*, *tubeplot*]

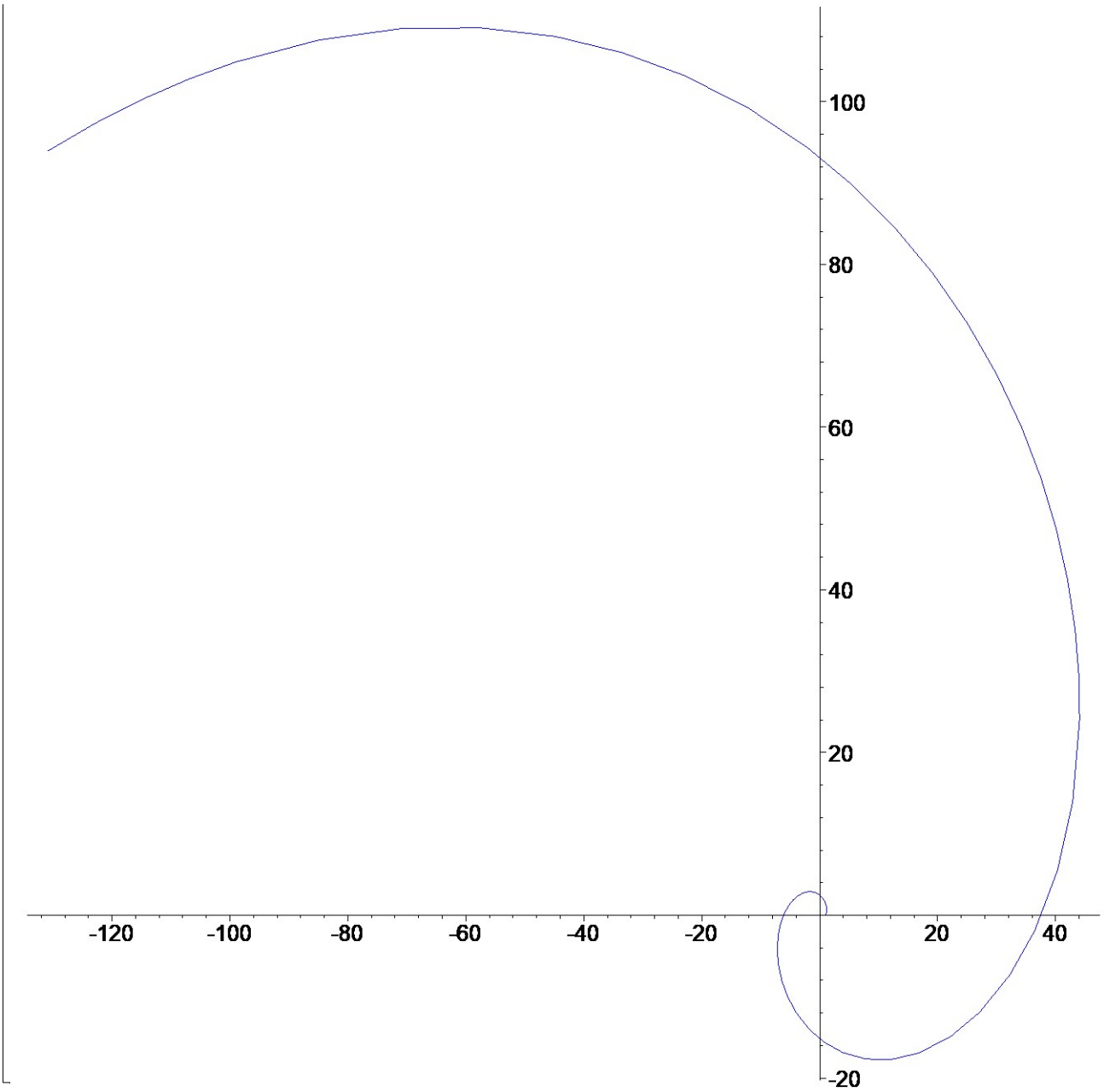
```
> roots1:=complexplot(resh, x=-radius*1.05..radius*1.05,
  style=point, symbol=circle, symbolsize=15): display(roots1);
```



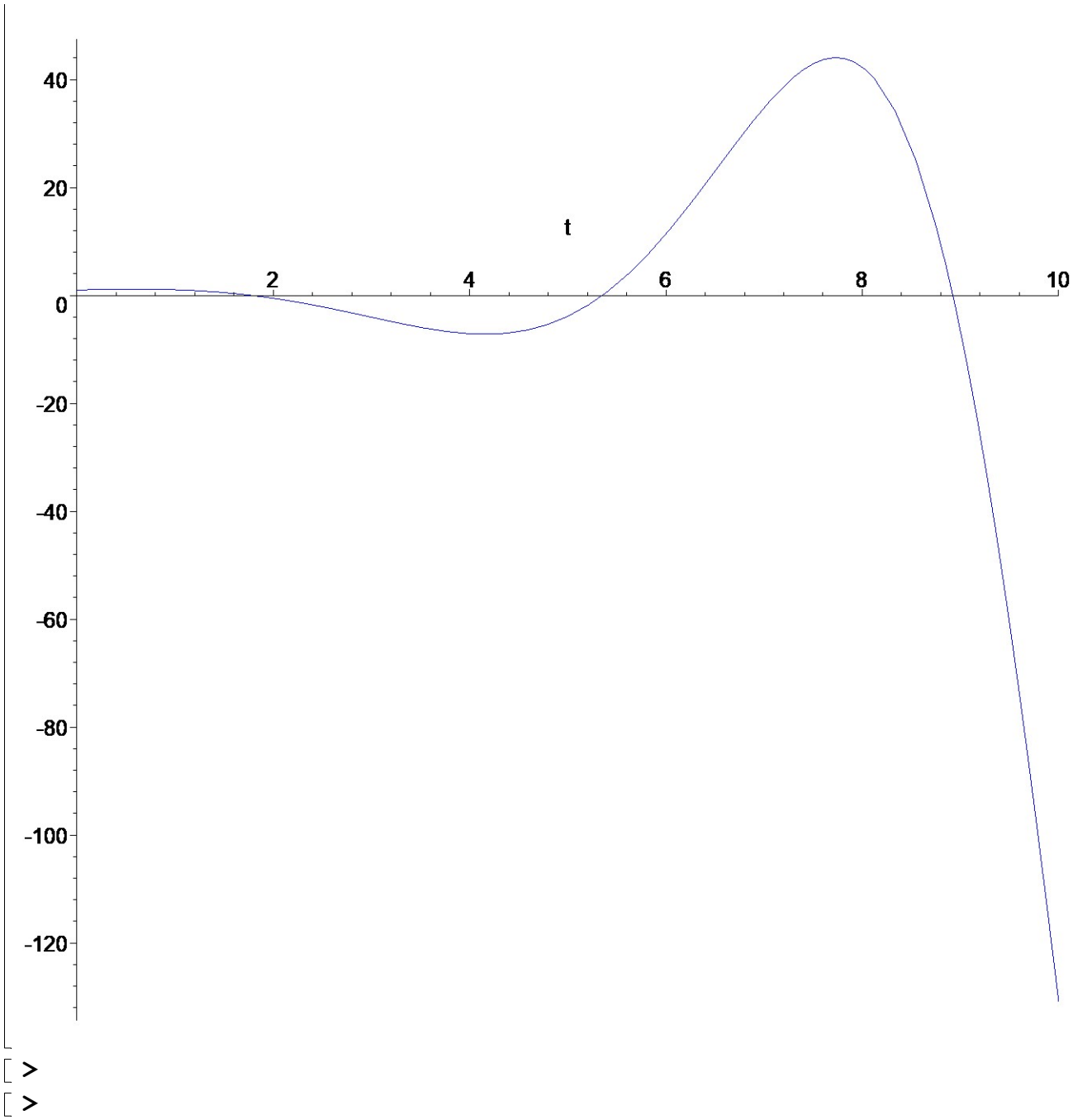

```
> circle1:=complexplot((cos(x)+I*sin(x))*radius,x=-Pi..Pi,color=bl
  ue):display(circle1,roots1);
```




```
> complexplot((exp(resh[1]*t)),t=0..10,color=blue);
```




```
> plot(Re(exp(resh[1]*t)),t=0..10,color=blue);
```


40
20
t
2
4
6
8
10
0
-20
-40
-60
-80
-100
-120

>

>