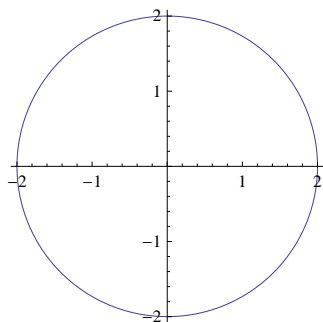


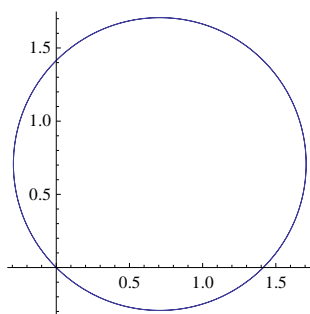
1.

`PolarPlot[2, {theta, 0, 2 Pi}]`



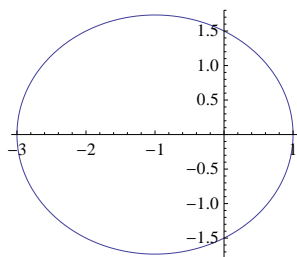
2.

`PolarPlot[2 Cos[theta - Pi / 4], {theta, 0, 2 Pi}]`



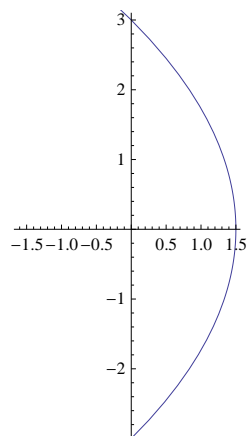
3. 楕円 (離心率 1/2)

`PolarPlot[(3 / 2) / (1 + 1 / 2 Cos[theta]), {theta, 0, 2 Pi}]`



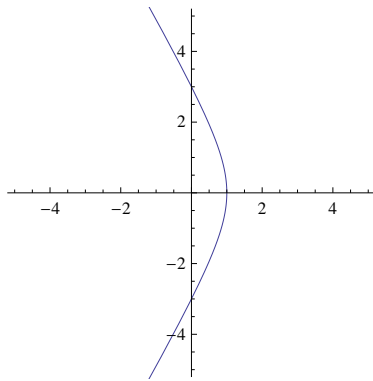
4. 放物線 (離心率 1)

`PolarPlot[3 / (1 + Cos[theta]), {theta, -2.5, 2.5}]`



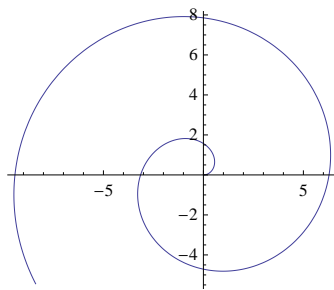
5. 双曲線 (離心率 2)

```
PolarPlot[3 / (1 + 2 Cos[theta]), {theta, -2.09, 2.09}, PlotRange -> 5]
```



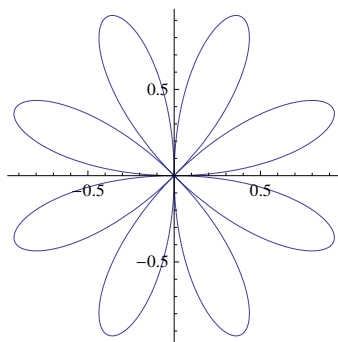
6. アルキメデスの渦巻き線 ( $r=a\theta$  で  $a=1$  のときの図)

```
PolarPlot[theta, {theta, 0, 10}]
```



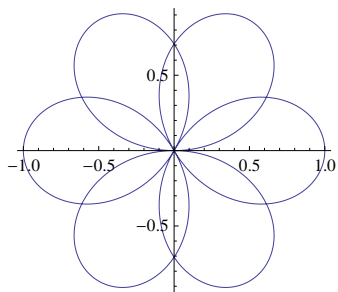
7. 正葉曲線 ( $r=a \sin\theta$  で  $a=4$  のときの図)

```
PolarPlot[Sin[4 theta], {theta, 0, 2 Pi}]
```



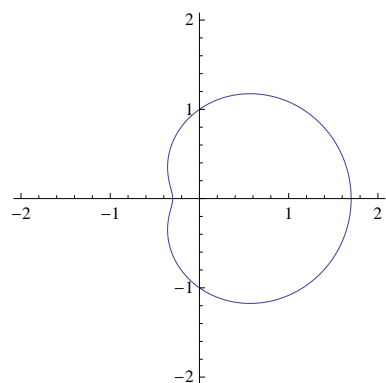
8. 正葉曲線 ( $r=a \sin\theta$  で  $a=3/2$  のときの図)

```
PolarPlot[Sin[3 / 2 theta], {theta, 0, 4 Pi}]
```



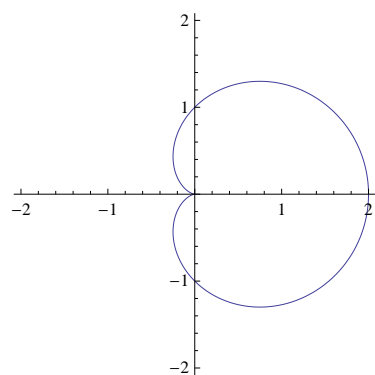
9. リマソン ( $r=a+b\cos\theta$  で  $a=1, b=0.7$  のときの図)

`PolarPlot[1 + 0.7 Cos[theta], {theta, 0, 2 Pi}, PlotRange -> 2]`



10. リマソン ( $r=a+b\cos\theta$  で  $a=1, b=1$  のときの図) [実はカージオイド]

`PolarPlot[1 + Cos[theta], {theta, 0, 2 Pi}, PlotRange -> 2]`



11. リマソン ( $r=a+b\cos\theta$  で  $a=1, b=3/2$  のときの図)

`PolarPlot[1 + 2 Cos[theta], {theta, 0, 2 Pi}]`

