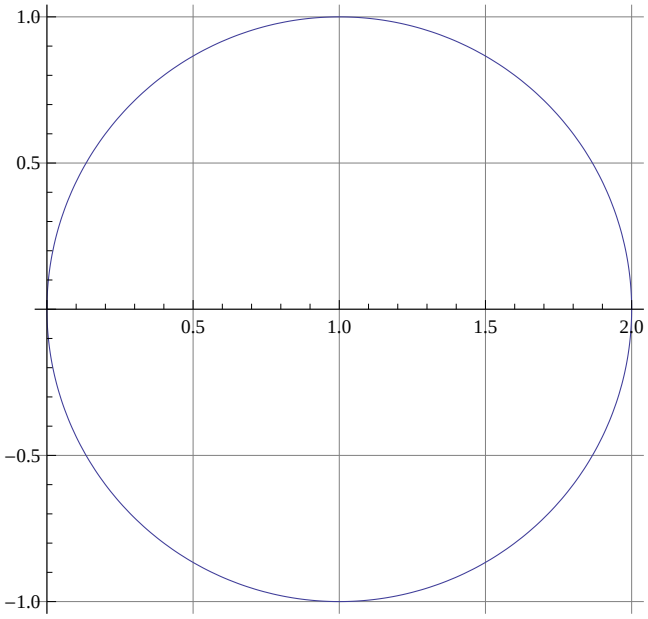
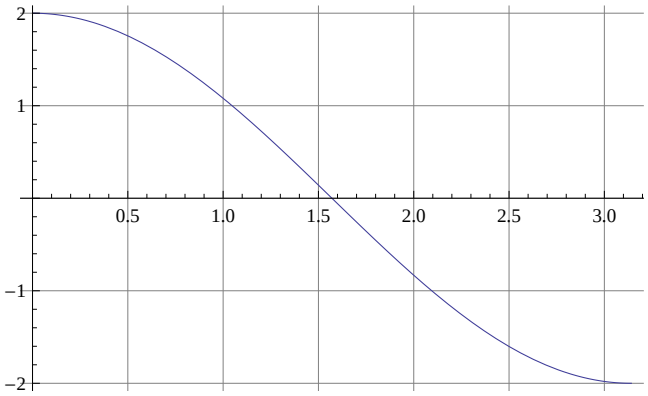
In[103]:=
```
Plotting in polar coordinates
PolarPlot[2 Cos[t], {t, 0, Pi}, GridLines → Automatic]
Plot[2 Cos[t], {t, 0, Pi}, GridLines → Automatic]
```

Out[103]= coordinates in Plotting polar

Out[104]=

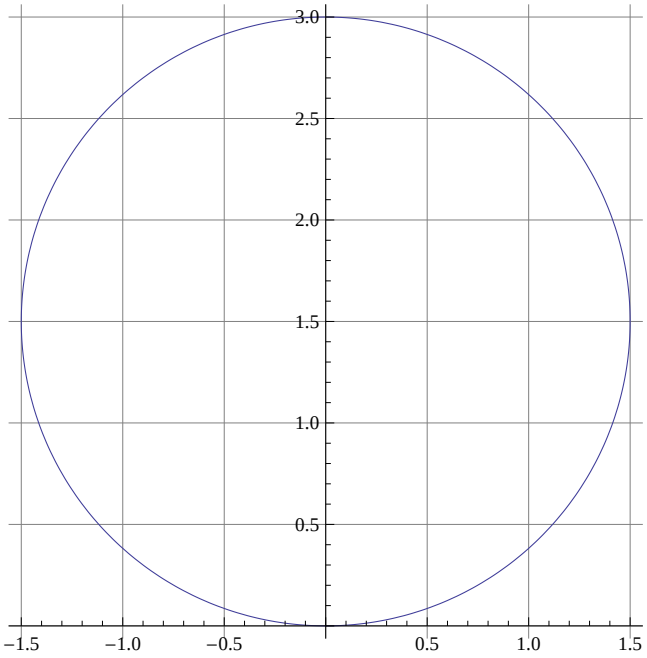


Out[105]=

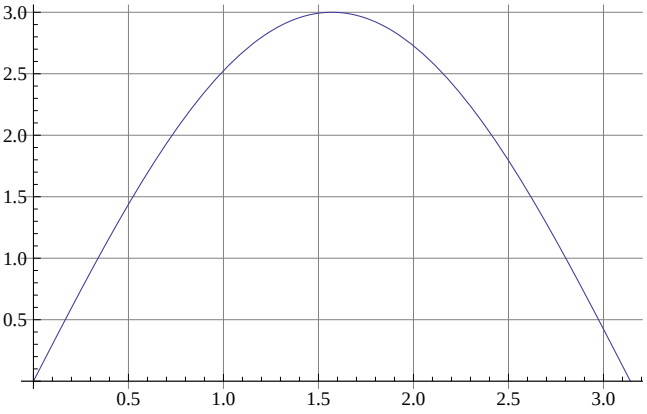


In[106]:=
```
PolarPlot[3 Sin[t], {t, 0, Pi}, GridLines → Automatic]
Plot[3 Sin[t], {t, 0, Pi}, GridLines → Automatic]
```

Out[106]=

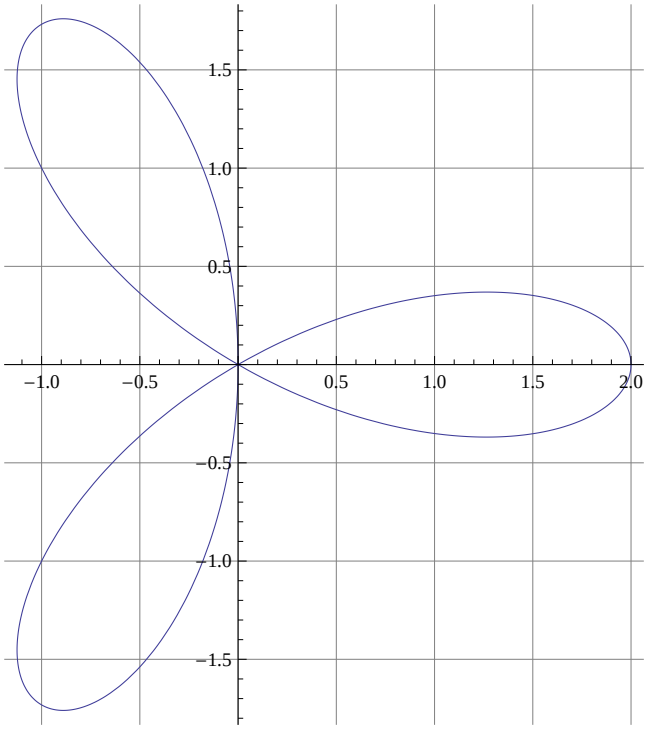


Out[107]=

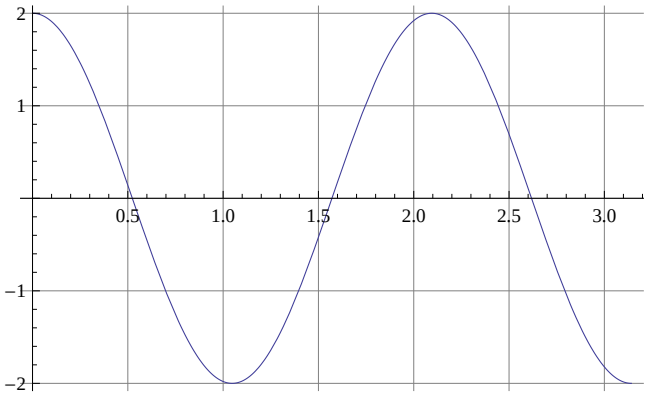


In[108]:=
```
PolarPlot[2 Cos[3 t], {t, 0, Pi}, GridLines → Automatic]
Plot[2 Cos[3 t], {t, 0, Pi}, GridLines → Automatic]
```

Out[108]=

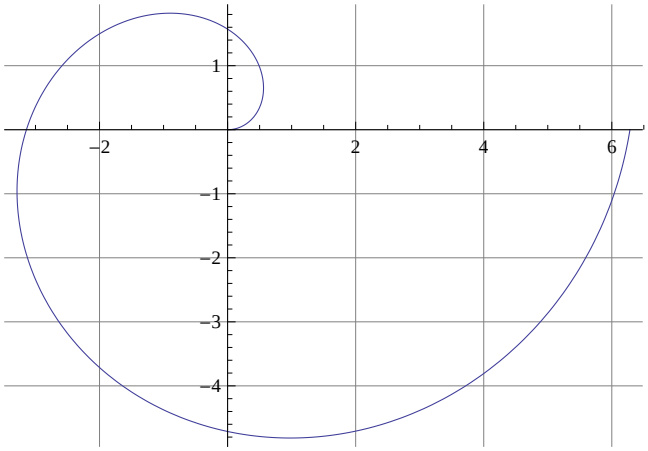


Out[109]=

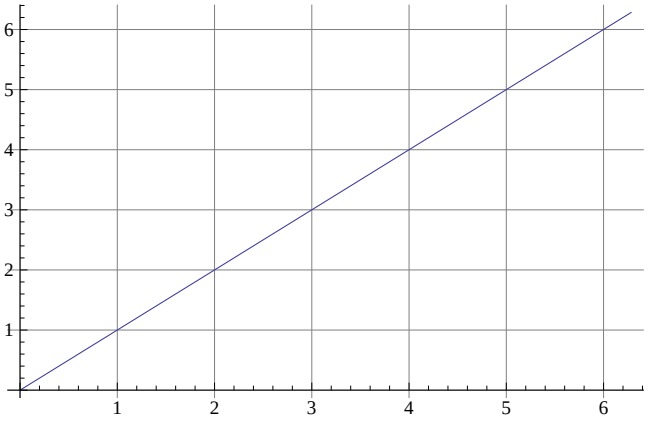


In[110]:=
```
PolarPlot[t, {t, 0, 2 Pi}, GridLines → Automatic]
Plot[t, {t, 0, 2 Pi}, GridLines → Automatic]
```

Out[110]=

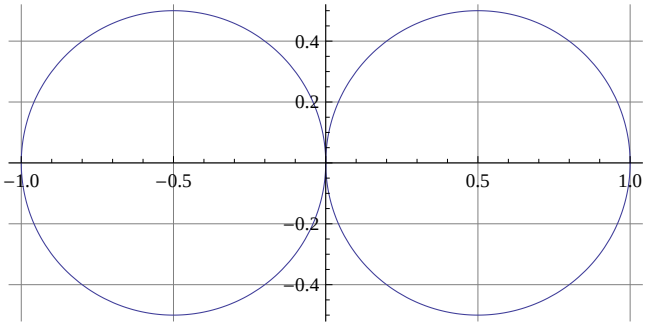


Out[111]=

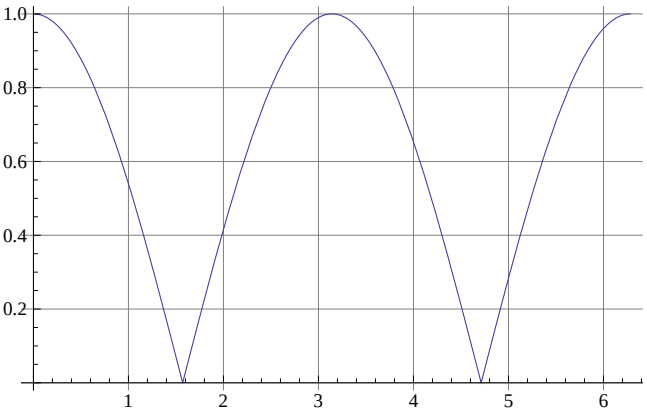


In[112]:=
```
PolarPlot[Abs[Cos[t]], {t, 0, 2 Pi}, GridLines → Automatic]
Plot[Abs[Cos[t]], {t, 0, 2 Pi}, GridLines → Automatic]
```

Out[112]=

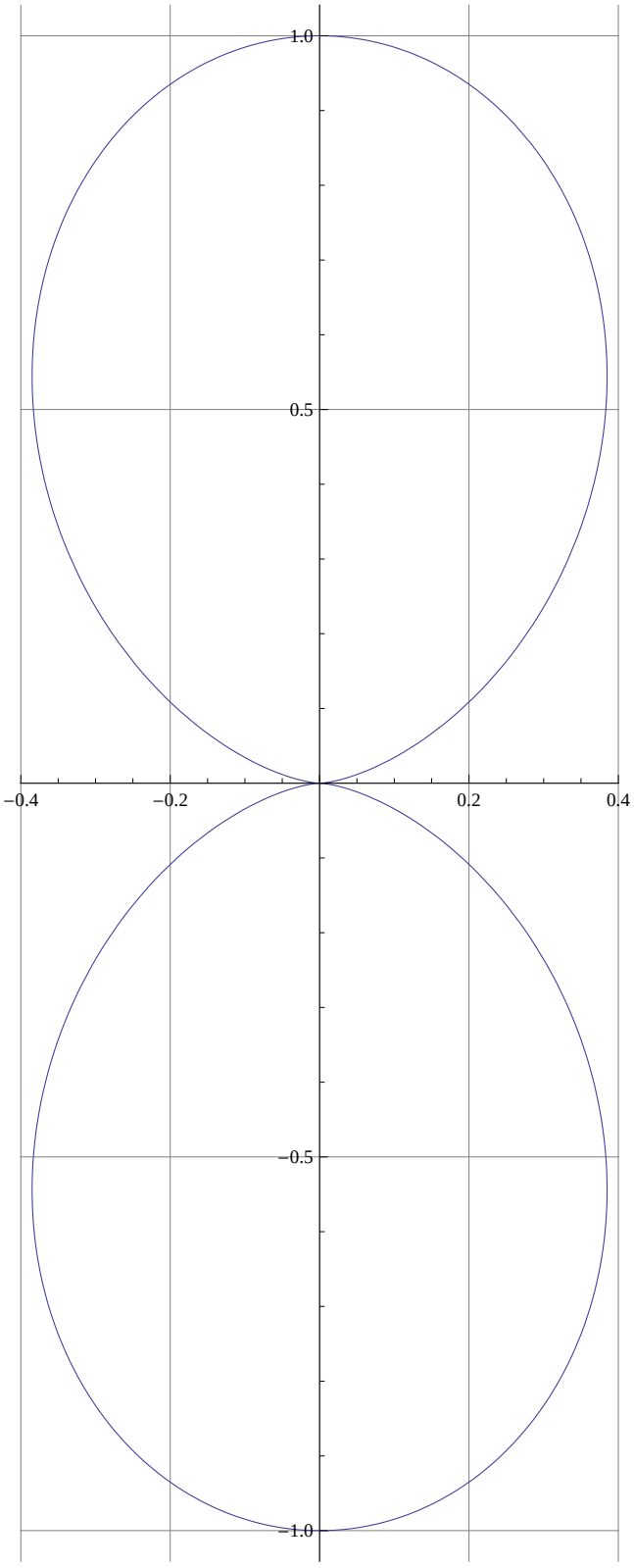


Out[113]=



In[114]:=
```
PolarPlot[(Sin[t])^2, {t, 0, 2 Pi}, GridLines → Automatic]
Plot[(Sin[t])^2, {t, 0, 2 Pi}, GridLines → Automatic]
```

Out[114]=



Out[115]=