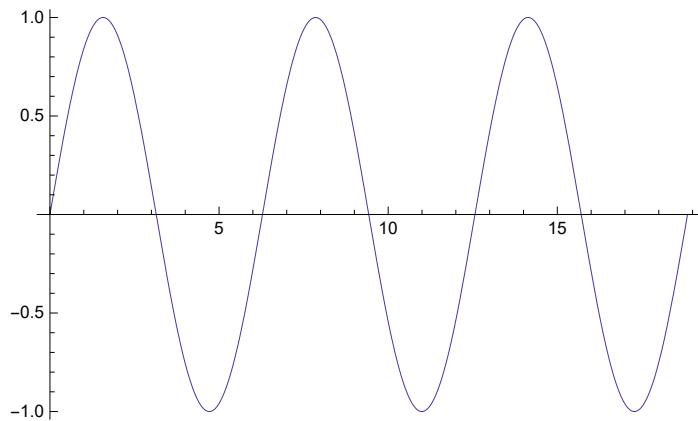
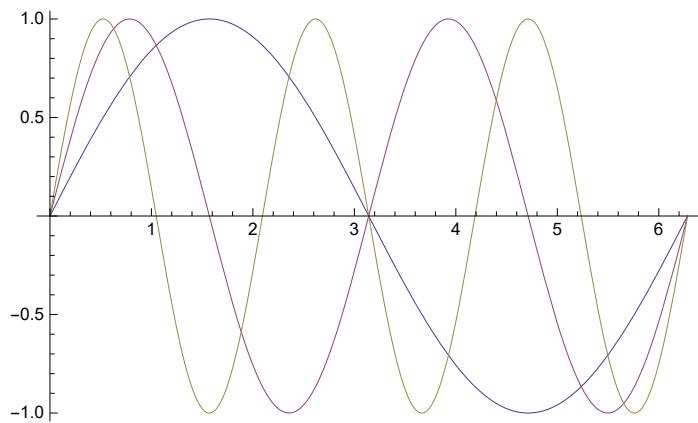


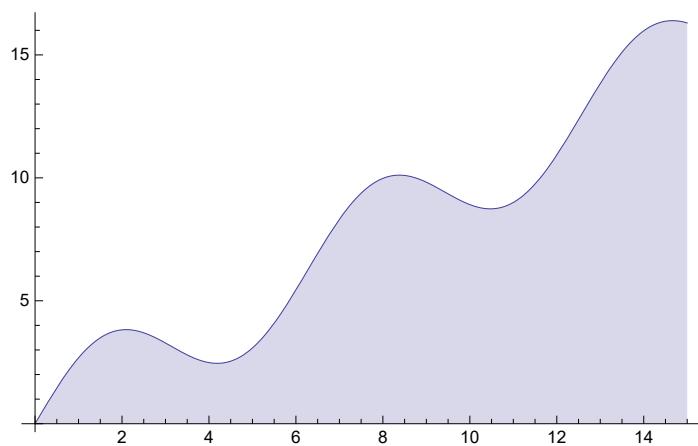
```
Plot[Sin[x], {x, 0, 6 Pi}]
```



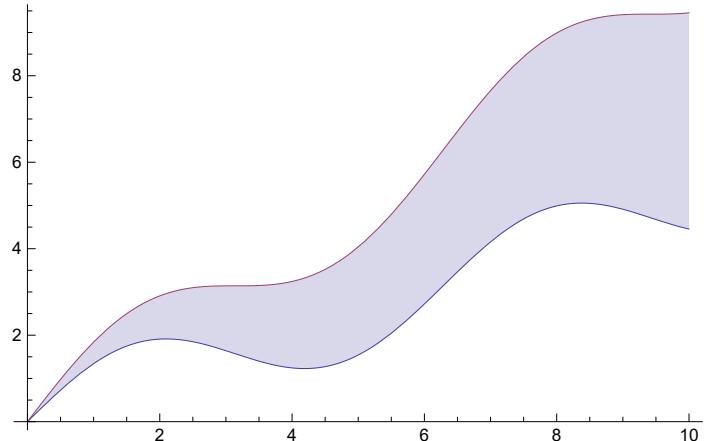
```
Plot[{Sin[x], Sin[2 x], Sin[3 x]}, {x, 0, 2 Pi}]
```



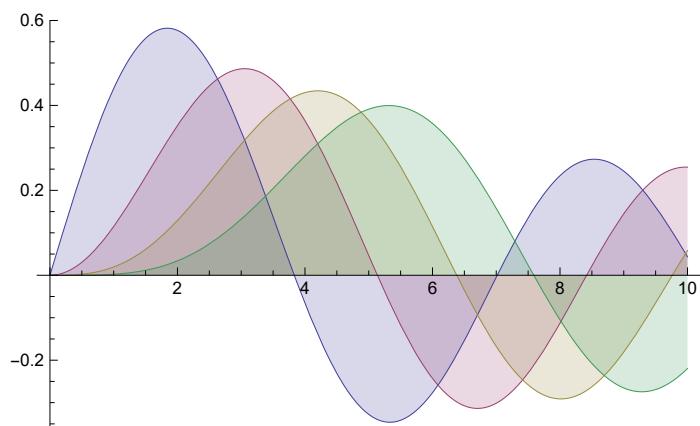
```
Plot[2 Sin[x] + x, {x, 0, 15}, Filling -> Bottom]
```



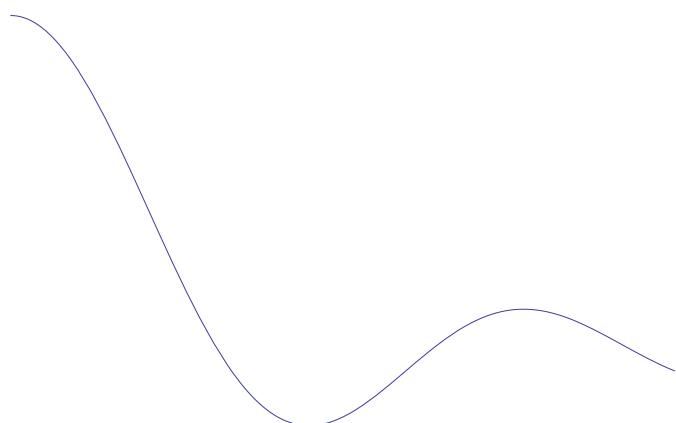
```
Plot[{Sin[x] + x/2, Sin[x] + x}, {x, 0, 10}, Filling -> {1 -> {2}}]
```



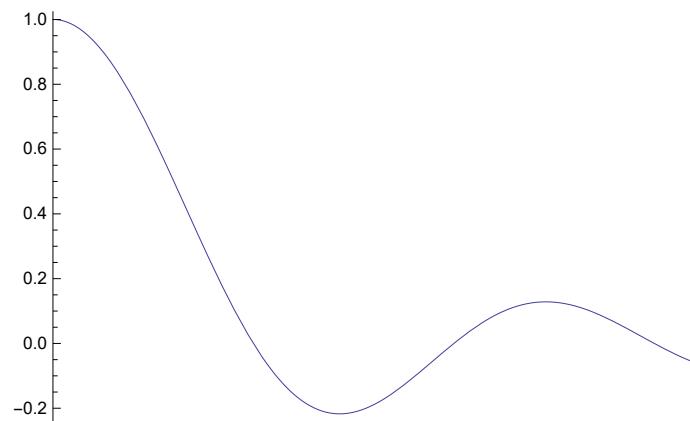
```
Plot[Evaluate[Table[BesselJ[n, x], {n, 4}]], {x, 0, 10}, Filling -> Axis]
```



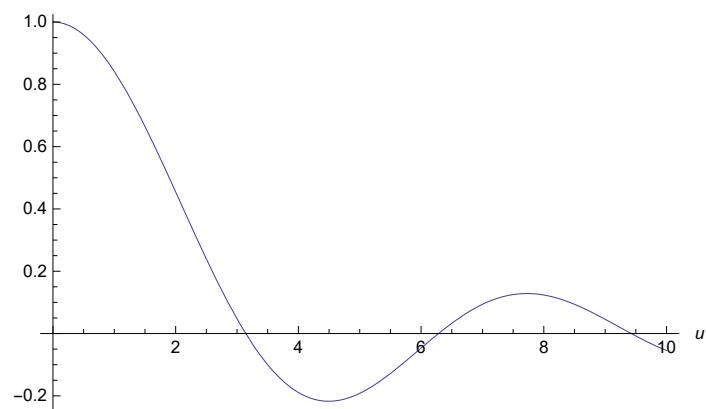
```
Plot[Sinc[x], {x, 0, 10}, Axes -> False]
```



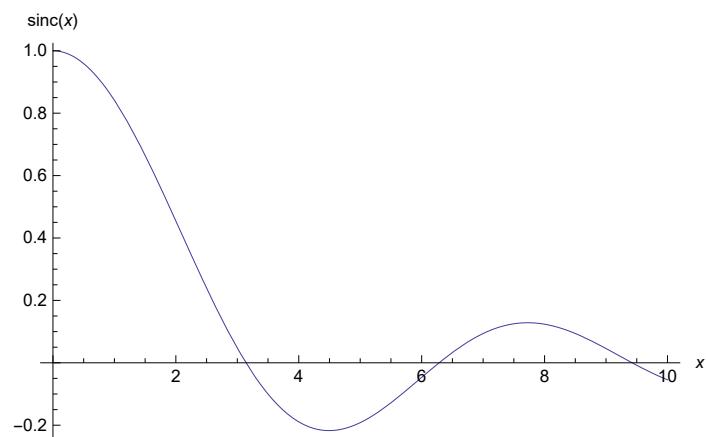
```
Plot[Sinc[x], {x, 0, 10}, Axes → {False, True}]
```



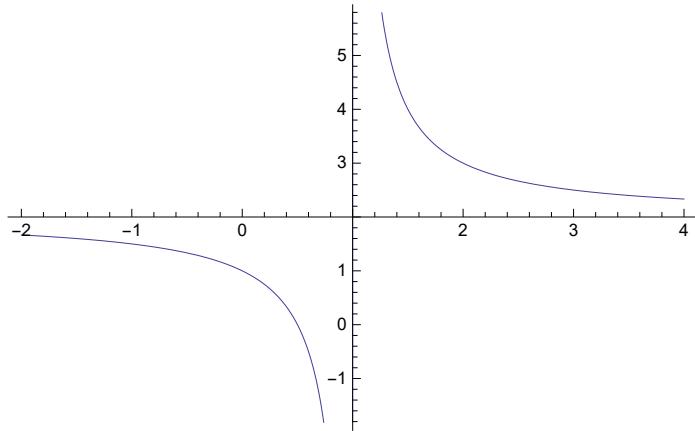
```
Plot[Sinc[u], {u, 0, 10}, AxesLabel → Automatic]
```



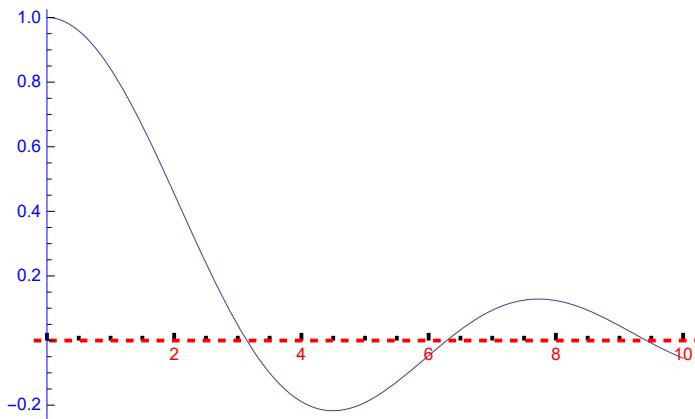
```
Plot[Sinc[x], {x, 0, 10}, AxesLabel → {x, Sinc[x]}]
```



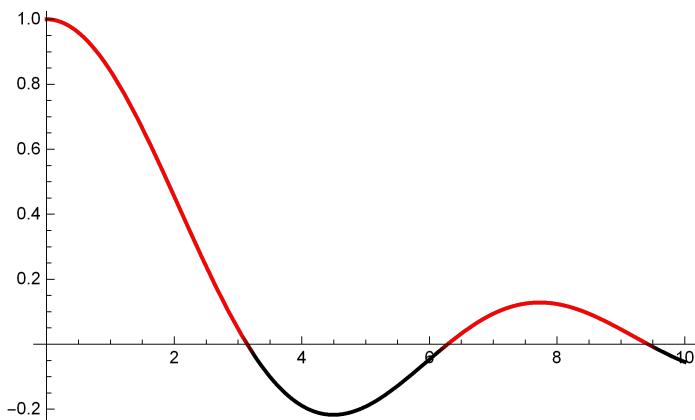
```
Plot[1/(x - 1) + 2, {x, -2, 4}, AxesOrigin -> {1, 2}]
```



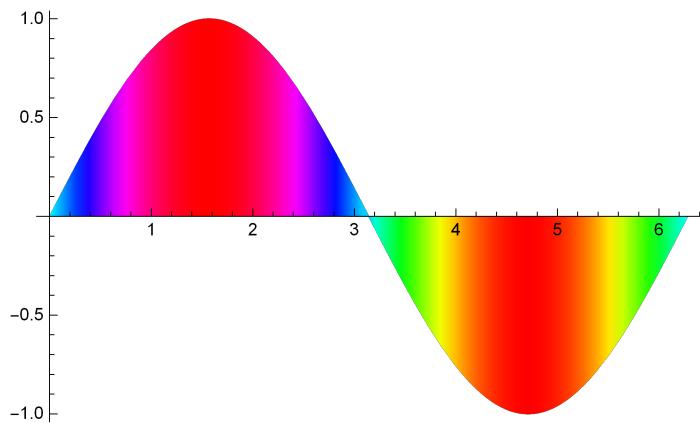
```
Plot[Sinc[x], {x, 0, 10}, AxesStyle -> {Directive[Thick, Dashed, Red], Blue}]
```



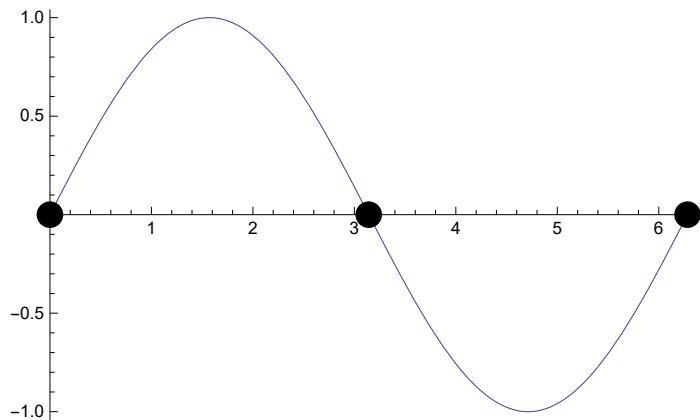
```
Plot[Sinc[x], {x, 0, 10}, ColorFunction -> Function[{x, y}, If[y > 0, Red, Black]], ColorFunctionScaling -> False, PlotStyle -> Thick]
```



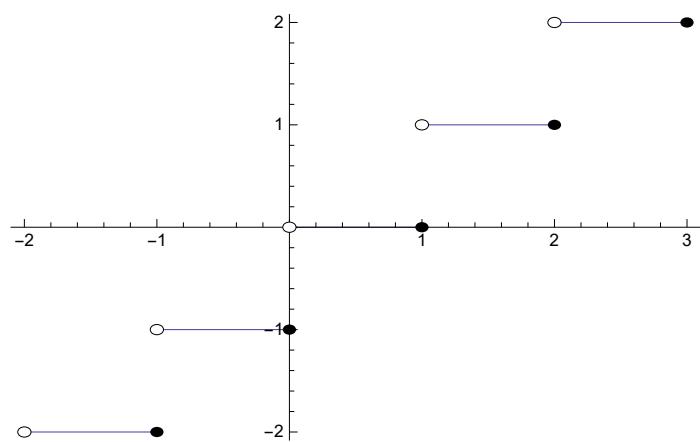
```
Plot[Sin[x], {x, 0, 2 Pi}, ColorFunction -> Function[{x, y}, Hue[y]], Filling -> Axis]
```



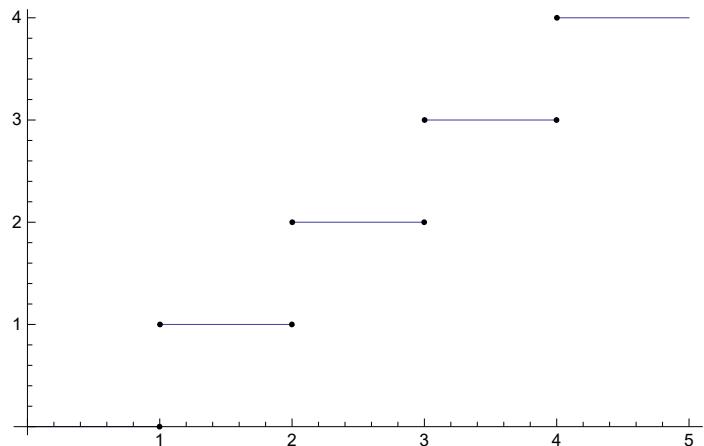
```
Plot[Sin[x], {x, 0, 2 Pi},
Epilog -> {PointSize[0.04], Point[{0, 0}], Point[{Pi, 0}], Point[{2 Pi, 0}]}]
```



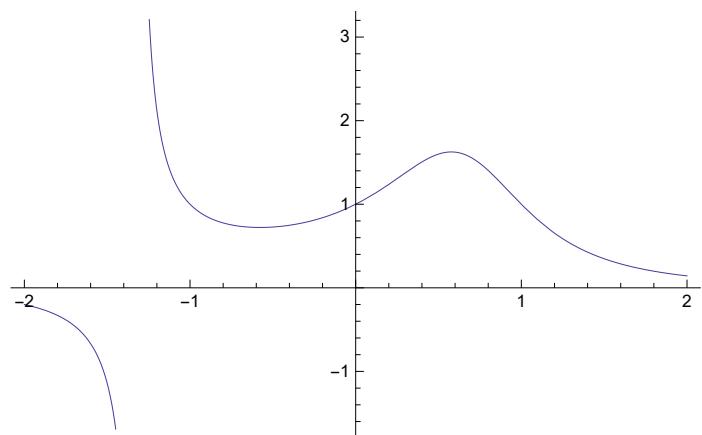
```
Plot[Floor[x], {x, -2, 3},
Epilog -> {Table[{EdgeForm[Black], White, Disk[{i, i}, 0.05]}, {i, -2, 2}],
Table[Disk[{i + 1, i}, 0.05], {i, -2, 2}]}]
```



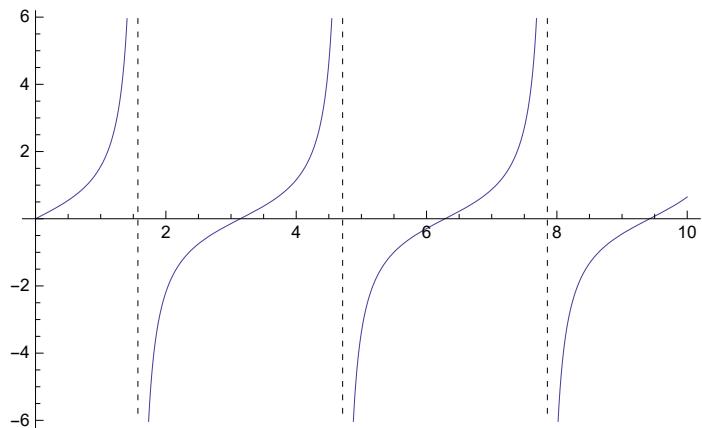
```
Plot[Floor[x], {x, 0, 5}, ExclusionsStyle -> {None, Black}]
```



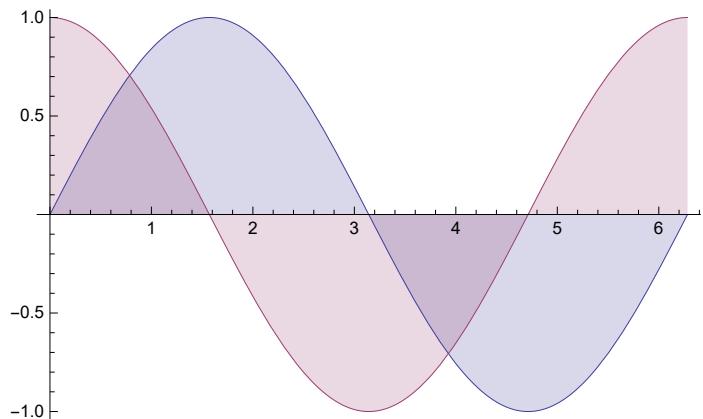
```
Plot[1/(x^3 - x + 1), {x, -2, 2}, Exclusions -> {x^3 - x + 1 == 0}]
```



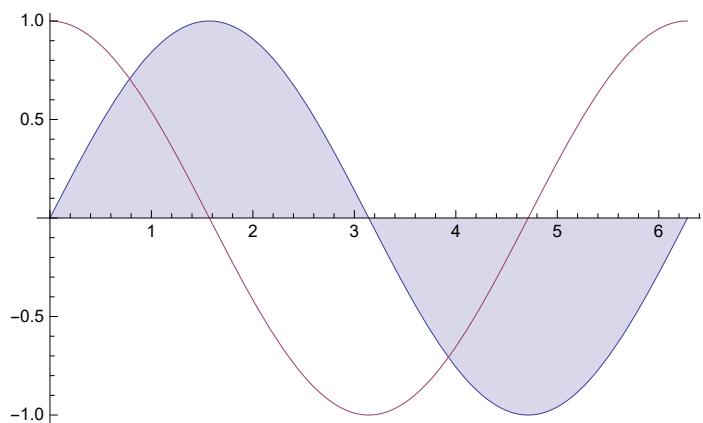
```
Plot[Tan[x], {x, 0, 10}, Exclusions -> {Cos[x] == 0}, ExclusionsStyle -> Dashing[Small]]
```



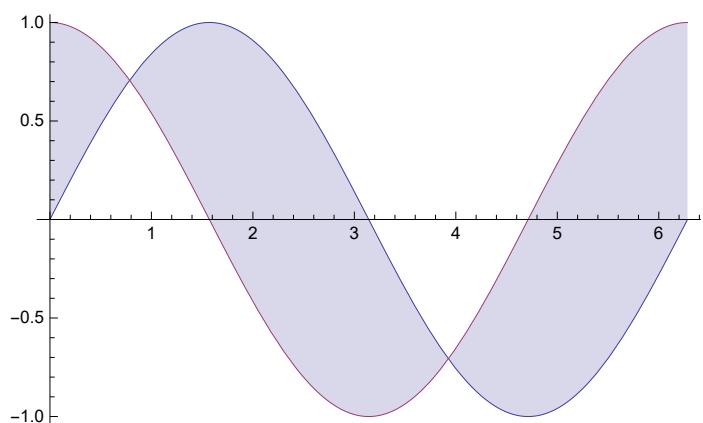
```
Plot[{Sin[x], Cos[x]}, {x, 0, 2 Pi}, Filling -> Axis]
```



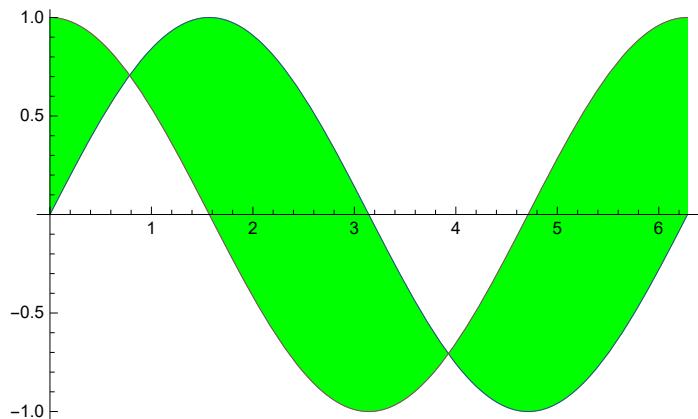
```
Plot[{Sin[x], Cos[x]}, {x, 0, 2 Pi}, Filling -> {1 -> Axis}]
```



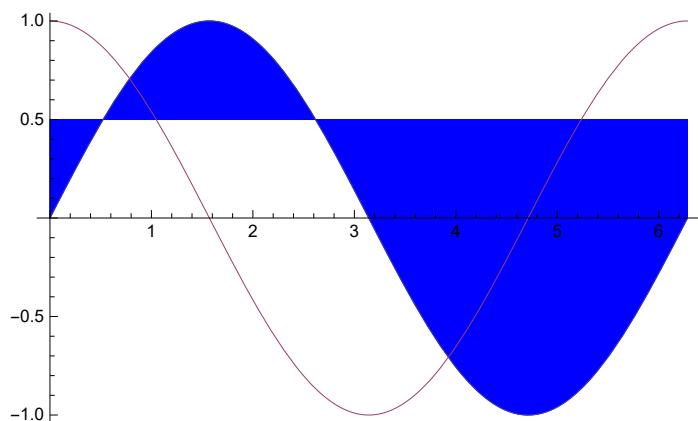
```
Plot[{Sin[x], Cos[x]}, {x, 0, 2 Pi}, Filling -> {1 -> {2}}]
```



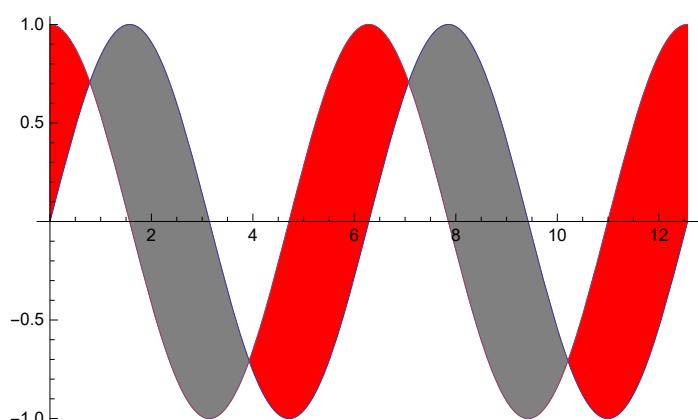
```
Plot[{Sin[x], Cos[x]}, {x, 0, 2 Pi}, Filling -> {1 -> {{2}, Green}}]
```



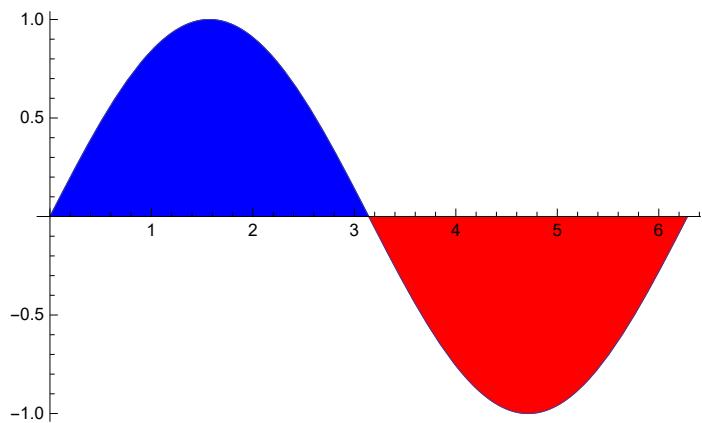
```
Plot[{Sin[x], Cos[x]}, {x, 0, 2 Pi}, Filling -> {1 -> {1/2, Blue}}]
```



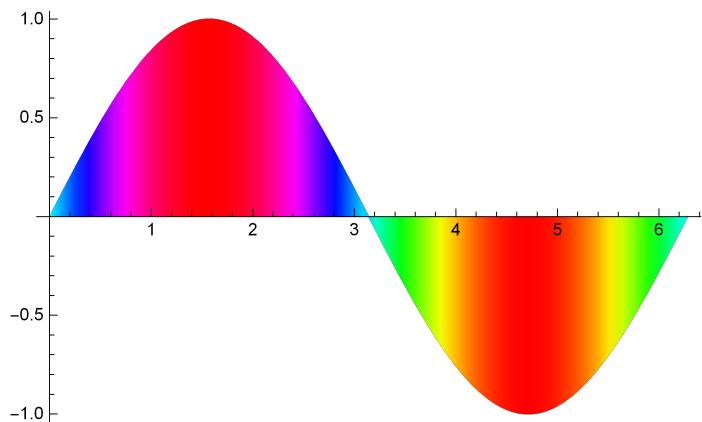
```
Plot[{Sin[x], Cos[x]}, {x, 0, 4 Pi}, Filling -> {1 -> {{2}, {Red, Gray}}}]
```



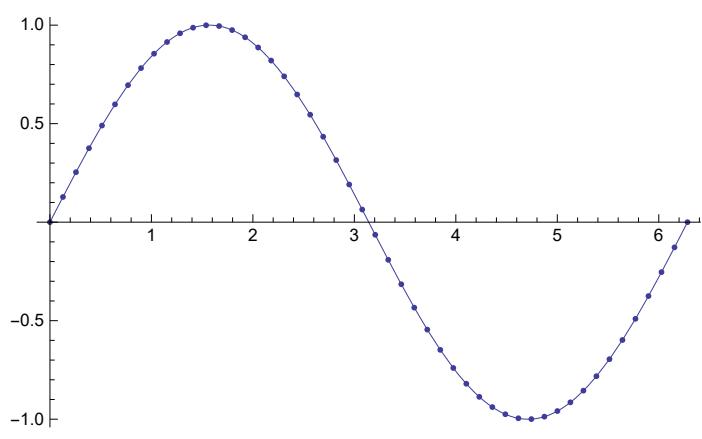
```
Plot[Sin[x], {x, 0, 2 Pi}, Filling -> Axis, FillingStyle -> {Red, Blue}]
```



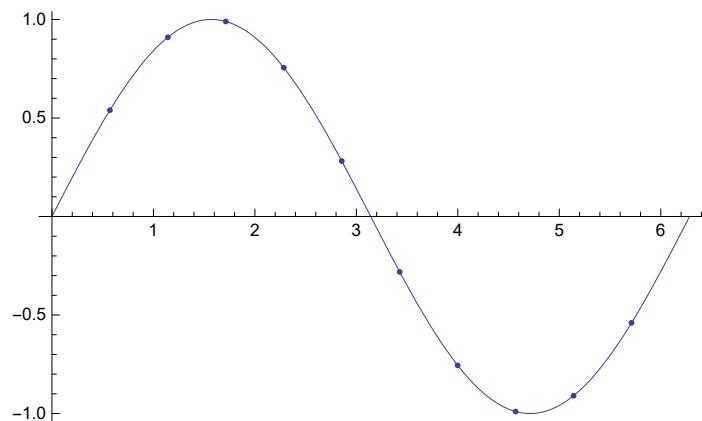
```
Plot[Sin[x], {x, 0, 2 Pi}, ColorFunction -> Function[{x, y}, Hue[y]],  
Filling -> Axis, FillingStyle -> Automatic]
```



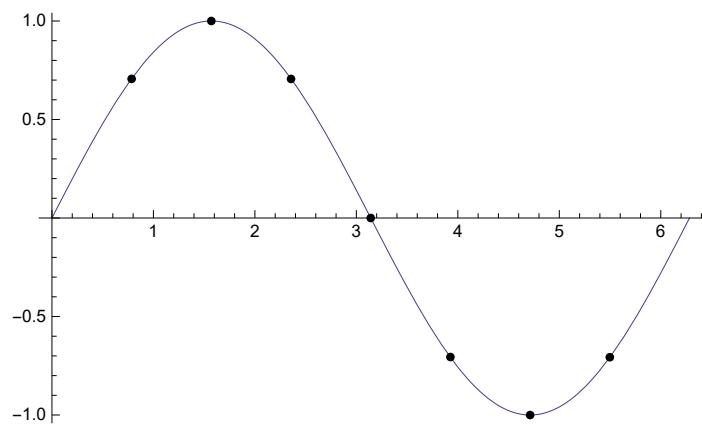
```
Plot[Sin[x], {x, 0, 2 Pi}, Mesh -> Full]
```



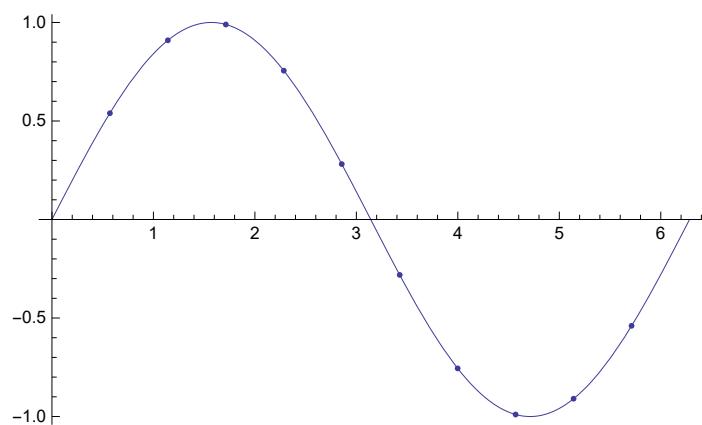
```
Plot[Sin[x], {x, 0, 2 Pi}, Mesh -> 10]
```



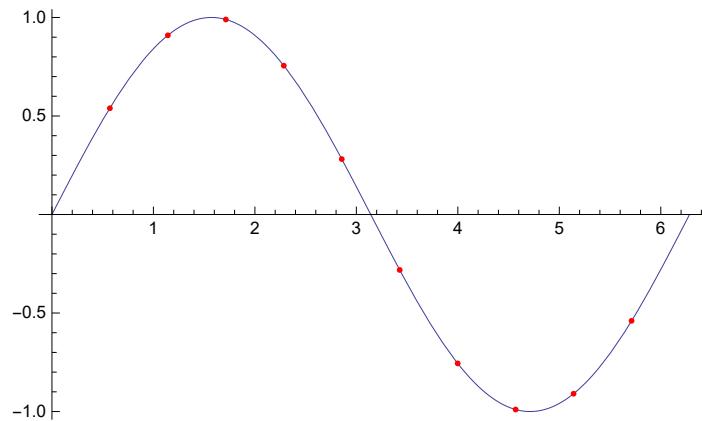
```
Plot[Sin[x], {x, 0, 2 Pi}, Mesh -> {Range[0, 2 Pi, Pi/4]}, MeshStyle -> PointSize[Medium]]
```



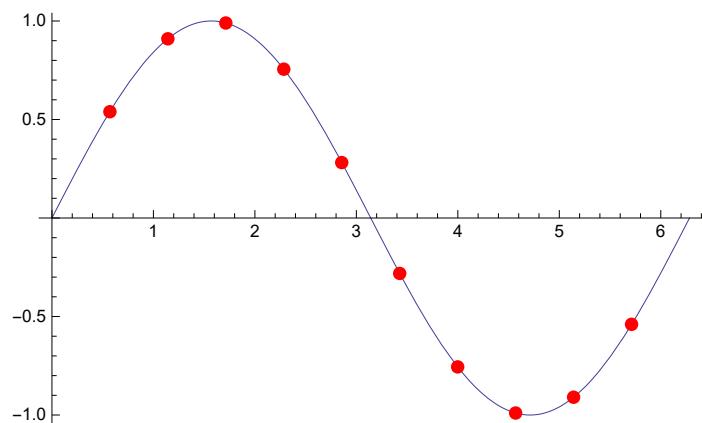
```
Plot[Sin[x], {x, 0, 2 Pi}, Mesh -> 10, MeshStyle -> Automatic]
```



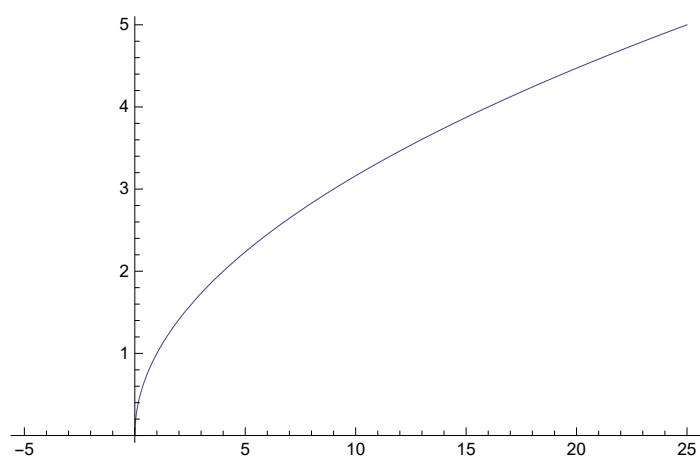
```
Plot[Sin[x], {x, 0, 2 Pi}, Mesh -> 10, MeshStyle -> Red]
```



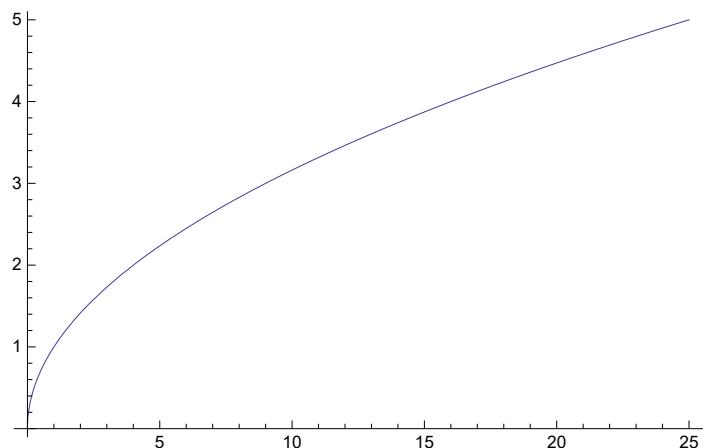
```
Plot[Sin[x], {x, 0, 2 Pi}, Mesh -> 10, MeshStyle -> Directive[PointSize[Large], Red]]
```



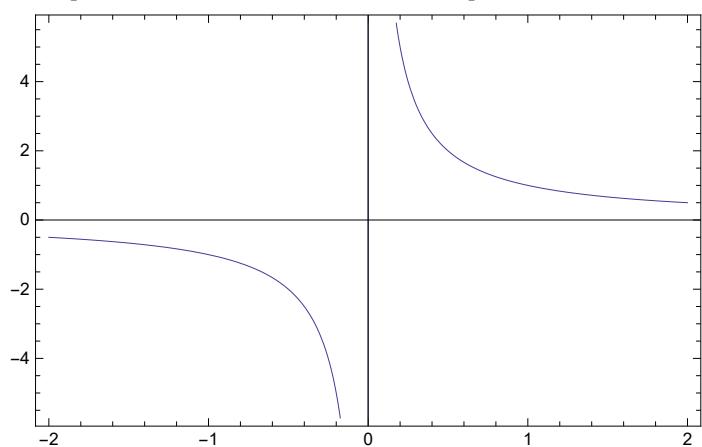
```
Plot[Sqrt[x], {x, -5, 25}, PlotRange -> Full]
```



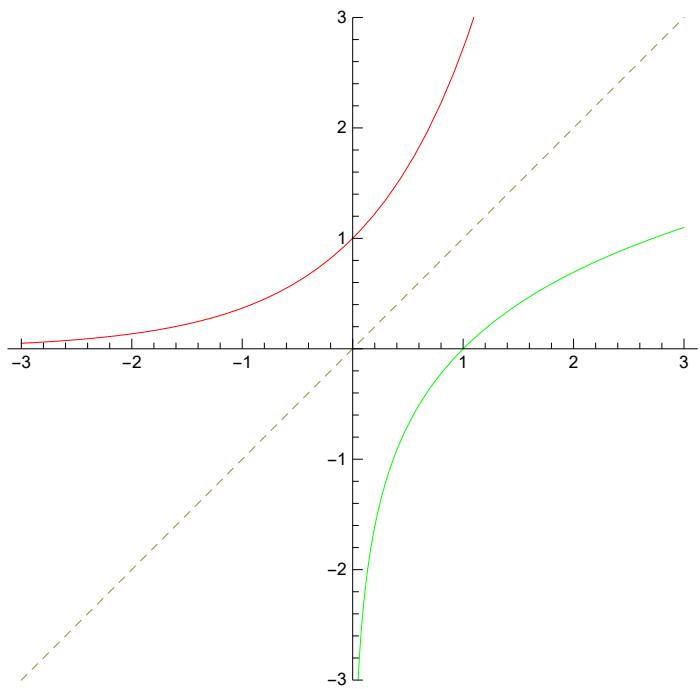
```
Plot[Sqrt[x], {x, -5, 25}, PlotRange -> Automatic]
```



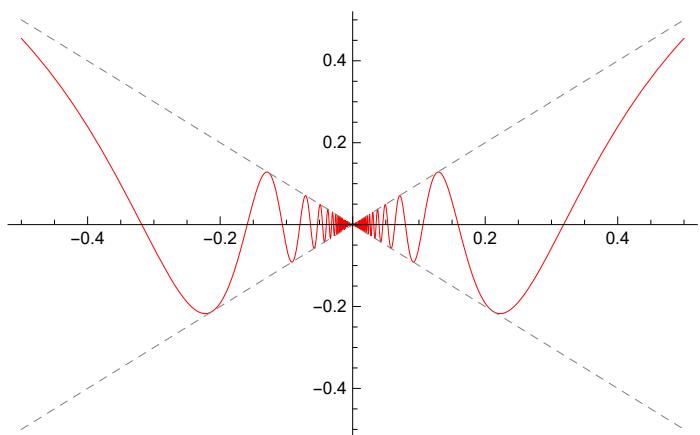
```
Plot[1/x, {x, -2, 2}, Frame -> True]
```



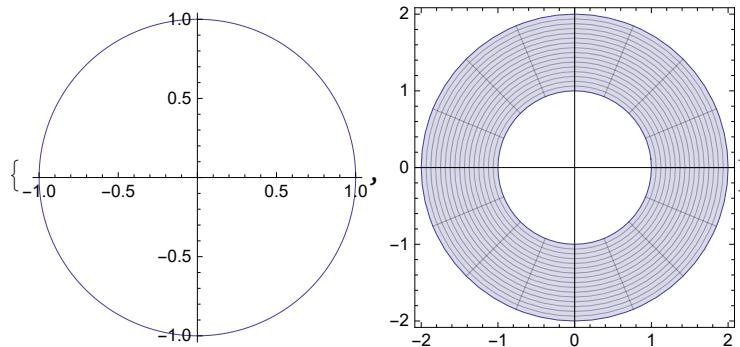
```
Plot[{Exp[x], Log[x], x}, {x, -3, 3}, PlotRange -> 3,
PlotStyle -> {Red, Green, Dashed}, AspectRatio -> Automatic]
```



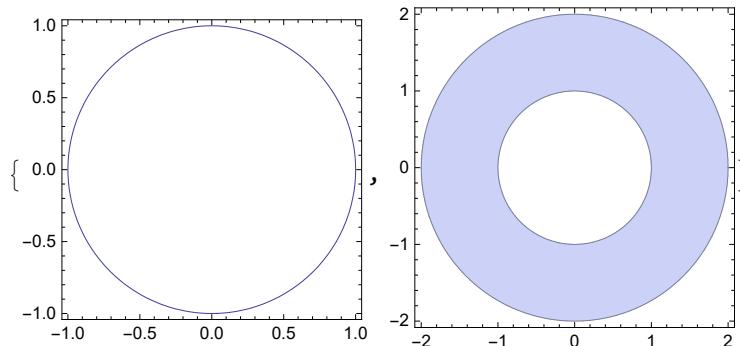
```
Plot[{x Sin[1/x], Abs[x], -Abs[x]}, {x, -1/2, 1/2},
PlotStyle -> {Red, Directive[Dashed, Gray], Directive[Dashed, Gray]}]
```



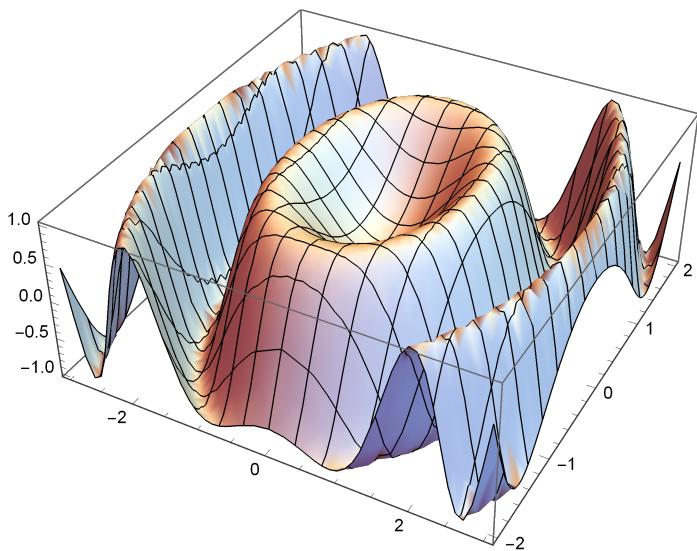
```
{ParametricPlot[{Cos[\theta], Sin[\theta]}, {\theta, 0, 2 Pi}],
ParametricPlot[{r Cos[\theta], r Sin[\theta]}, {\theta, 0, 2 Pi}, {r, 1, 2}]}
```



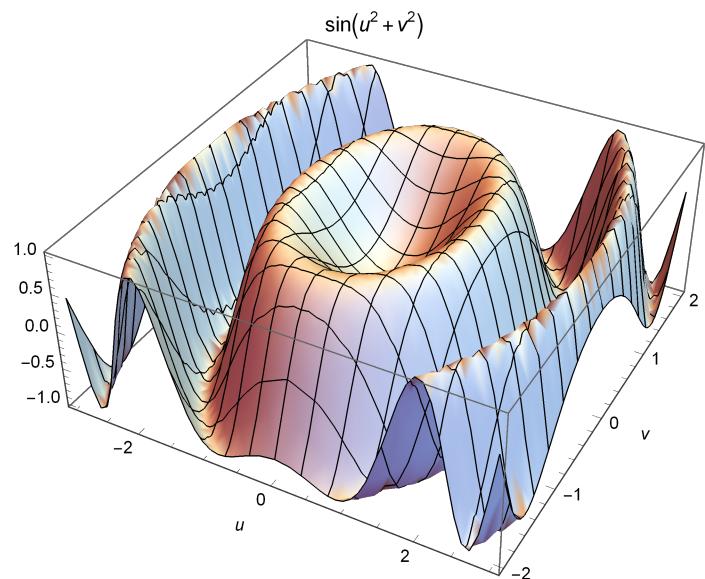
```
{ContourPlot[x^2 + y^2 == 1, {x, -1, 1}, {y, -1, 1}],
RegionPlot[1 < x^2 + y^2 < 4, {x, -2, 2}, {y, -2, 2}]}
```



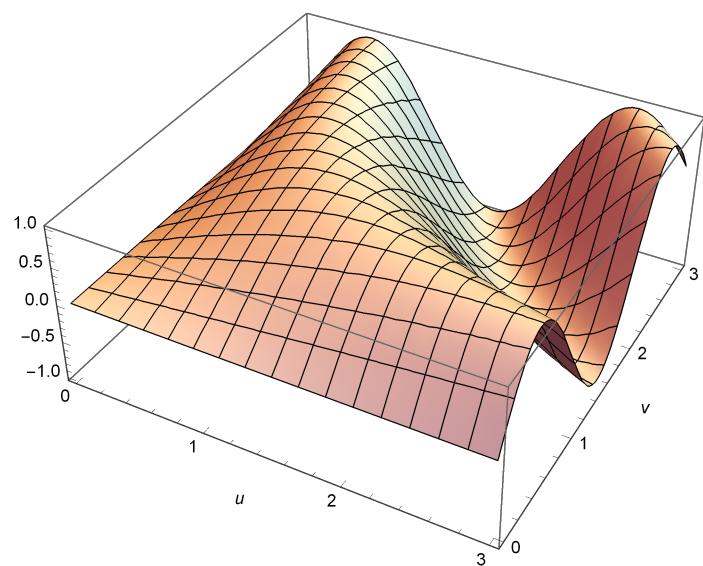
```
Plot3D[Sin[x^2 + y^2], {x, -3, 3}, {y, -2, 2}]
```



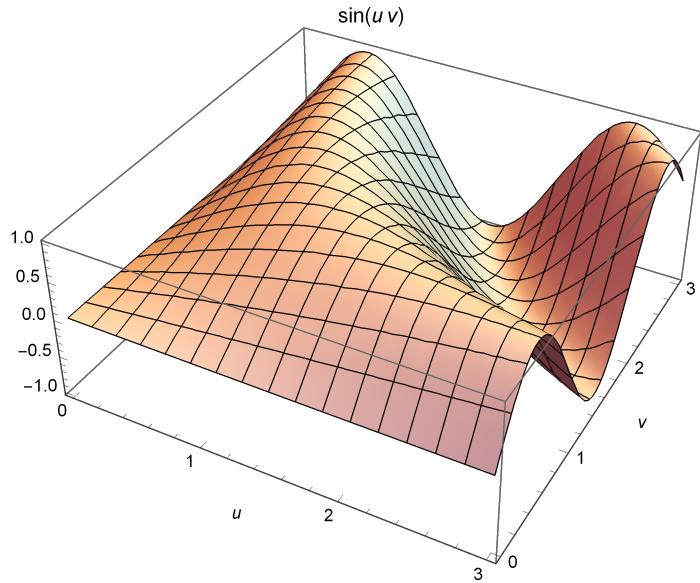
```
Plot3D[Sin[u^2 + v^2], {u, -3, 3}, {v, -2, 2}, AxesLabel → {u, v}, PlotLabel → Sin[u^2 + v^2]]
```



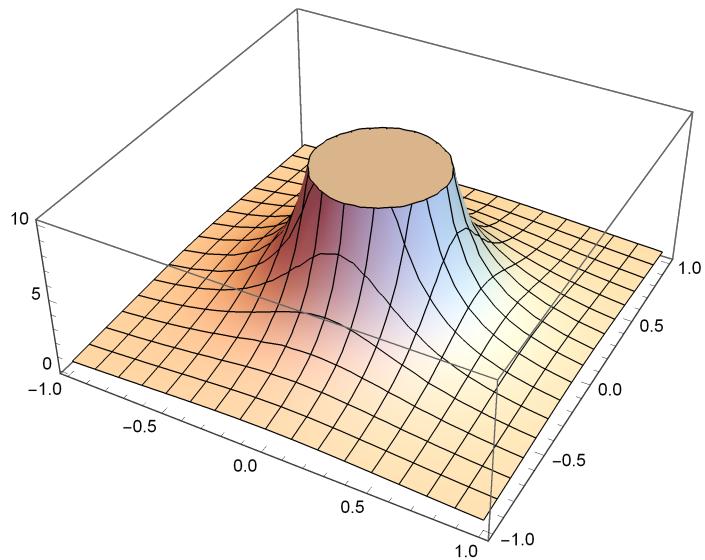
```
Plot3D[Sin[u v], {u, 0, 3}, {v, 0, 3}, AxesLabel → Automatic]
```



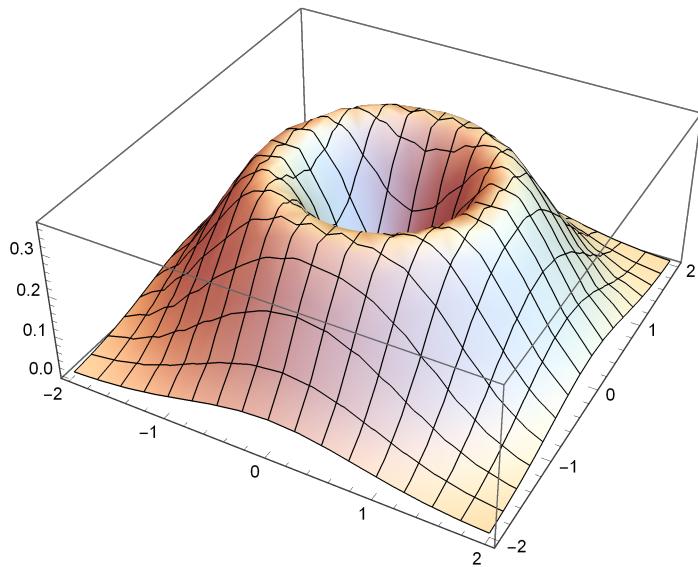
```
Plot3D[Sin[u v], {u, 0, 3}, {v, 0, 3}, AxesLabel -> {u, v}, PlotLabel -> Sin[u v]]
```



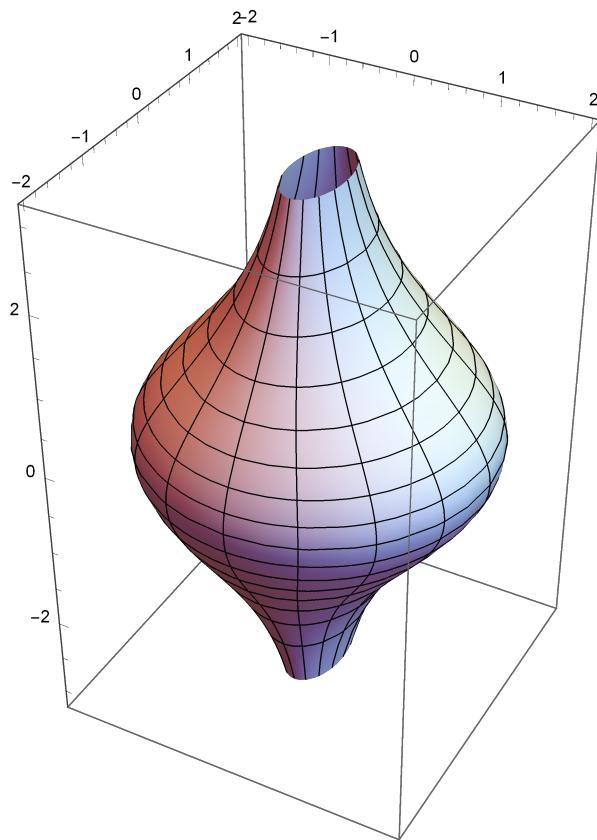
```
Plot3D[1 / (x^2 + y^2), {x, -1, 1}, {y, -1, 1}]
```



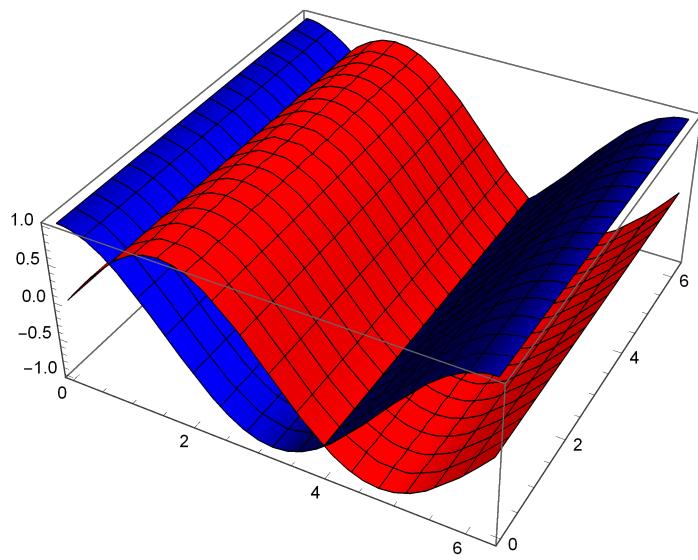
```
Plot3D[(x^2 + y^2) Exp[-(x^2 + y^2)], {x, -2, 2}, {y, -2, 2}]
```



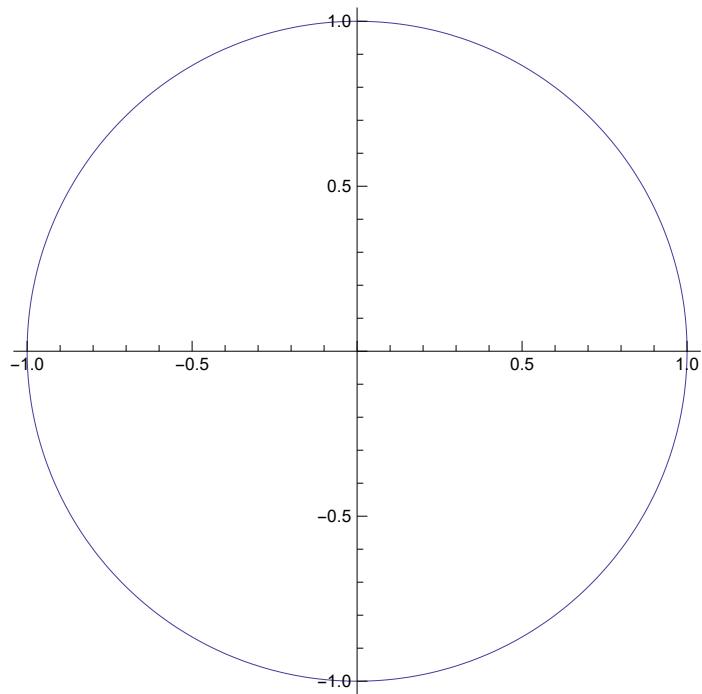
```
ParametricPlot3D[{-2 Cos[u] Cos[v]^3, -2 Cos[v]^2 Sin[u], 2 Tan[v]}, {u, 0, 2 Pi}, {v, -1, 1}]
```



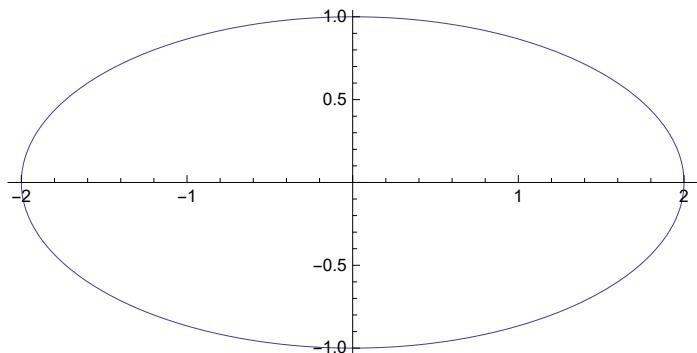
```
Plot3D[{Sin[x], Cos[x]}, {x, 0, 2 Pi}, {y, 0, 2 Pi}, PlotStyle -> {Red, Blue}]
```



```
ParametricPlot[{Cos[u], Sin[u]}, {u, 0, 2 Pi}]
```



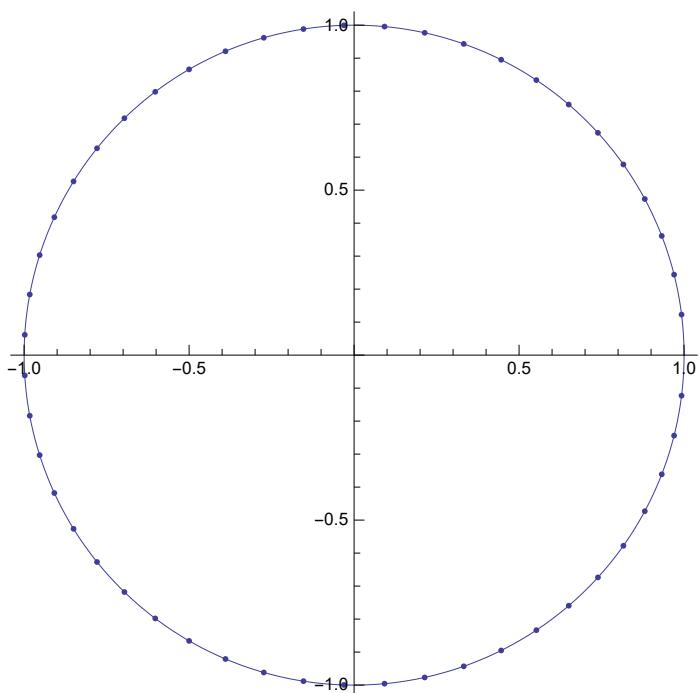
```
ParametricPlot[{2 Cos[u], Sin[u]}, {u, 0, 2 Pi}]
```



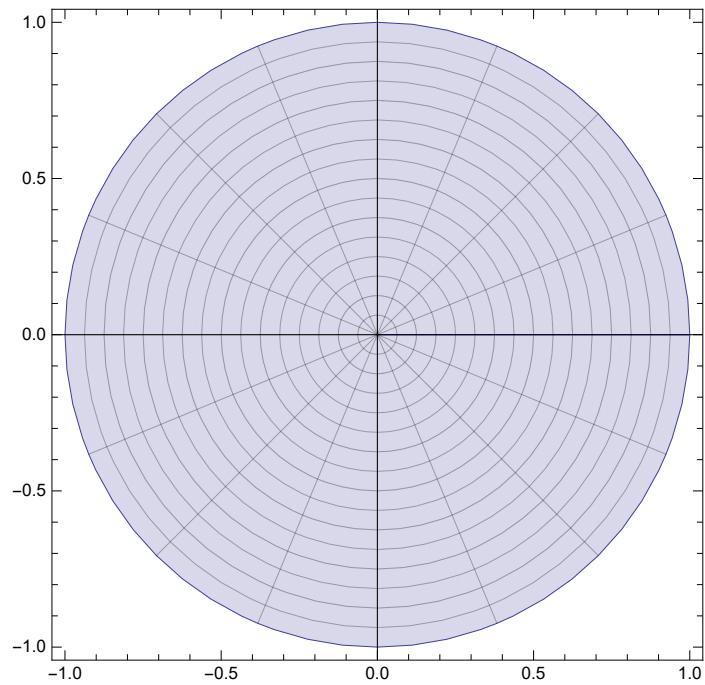
```
{x, y} = {Cos[u], Sin[u]};  
x^2 + y^2 // Simplify
```

```
1
```

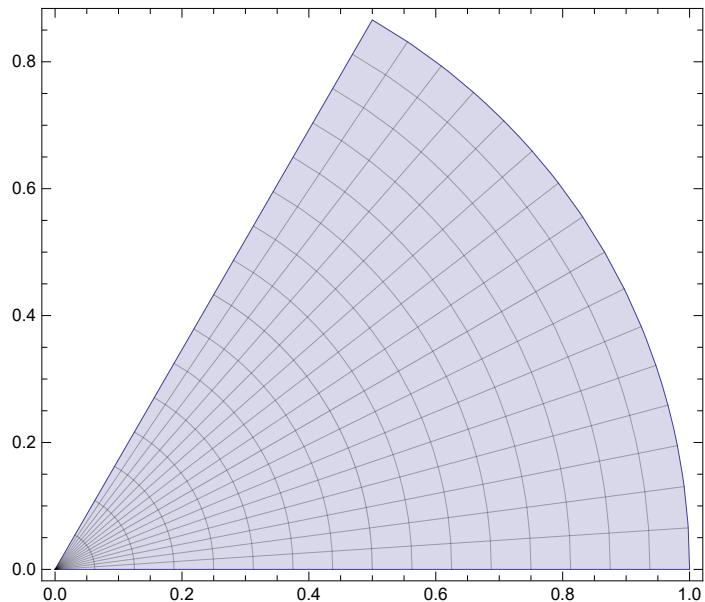
```
ParametricPlot[Evaluate[{x, y}], {u, 0, 2 Pi}, Mesh -> 50]
```



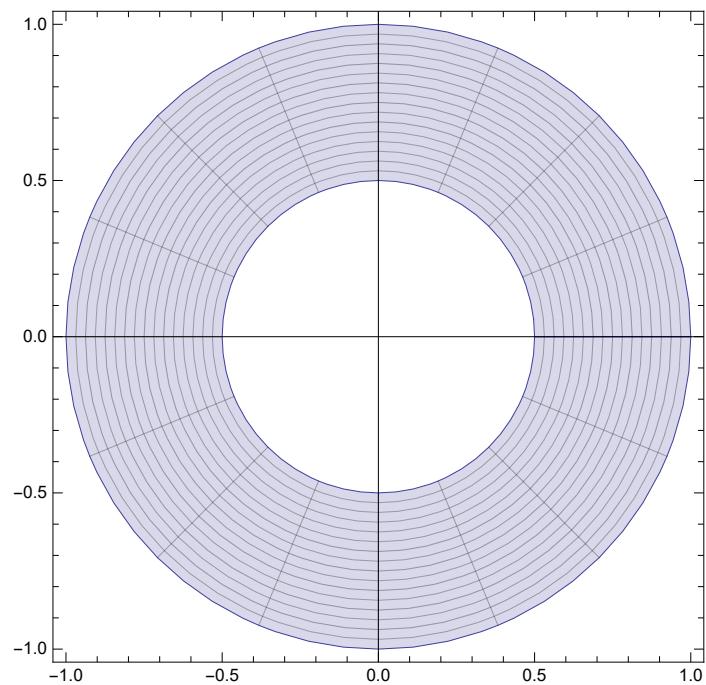
```
ParametricPlot[{v Cos[u], v Sin[u]}, {u, 0, 2 Pi}, {v, 0, 1}]
```



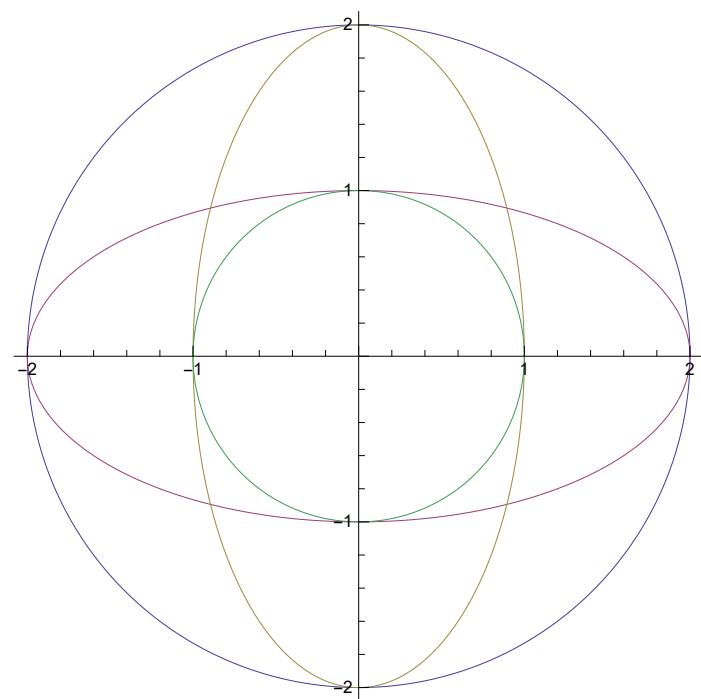
```
ParametricPlot[{v Cos[u], v Sin[u]}, {u, 0, Pi/3}, {v, 0, 1}]
```



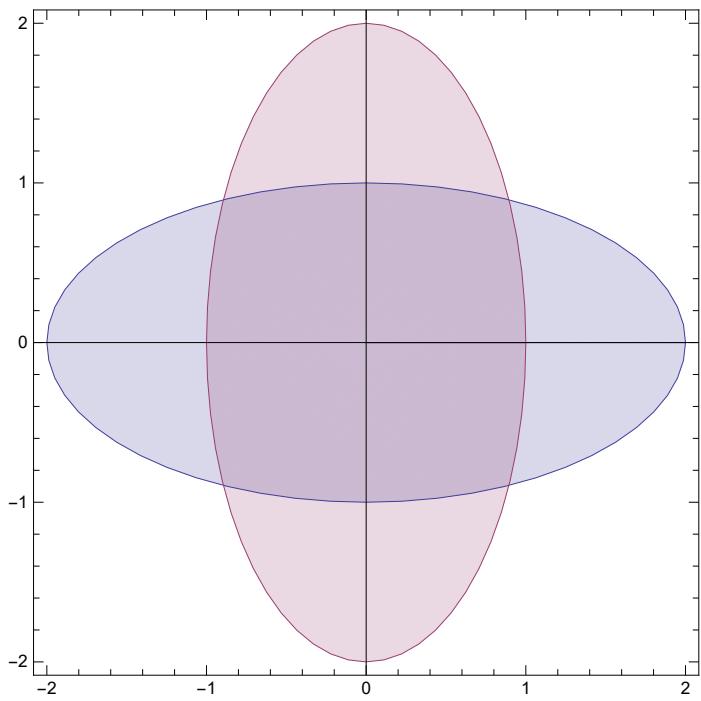
```
ParametricPlot[{v Cos[u], v Sin[u]}, {u, 0, 2 Pi}, {v, 1/2, 1}]
```



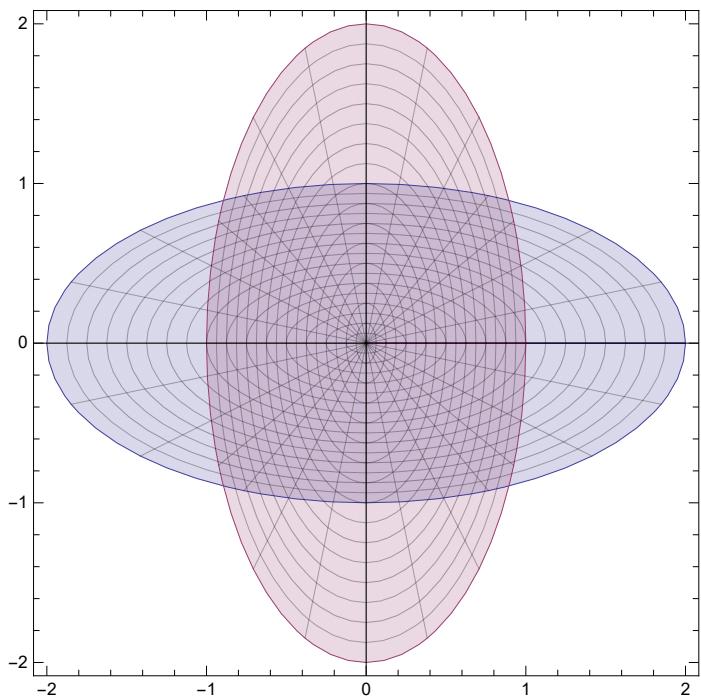
```
ParametricPlot[{{2 Cos[t], 2 Sin[t]},  
{2 Cos[t], Sin[t]}, {Cos[t], 2 Sin[t]}, {Cos[t], Sin[t]}}, {t, 0, 2 Pi}]
```



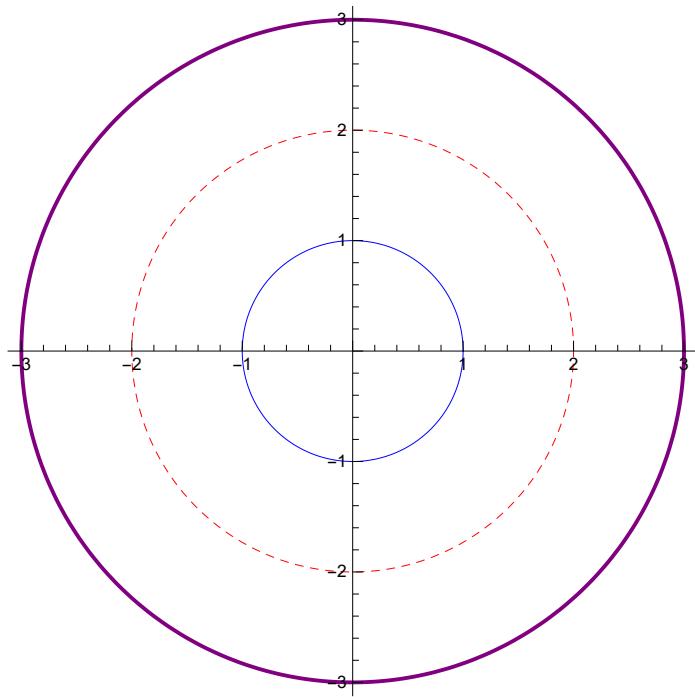
```
ParametricPlot[{{2 r Cos[t], r Sin[t]}, {r Cos[t], 2 r Sin[t]}},  
{t, 0, 2 Pi}, {r, 0, 1}, Mesh -> False]
```



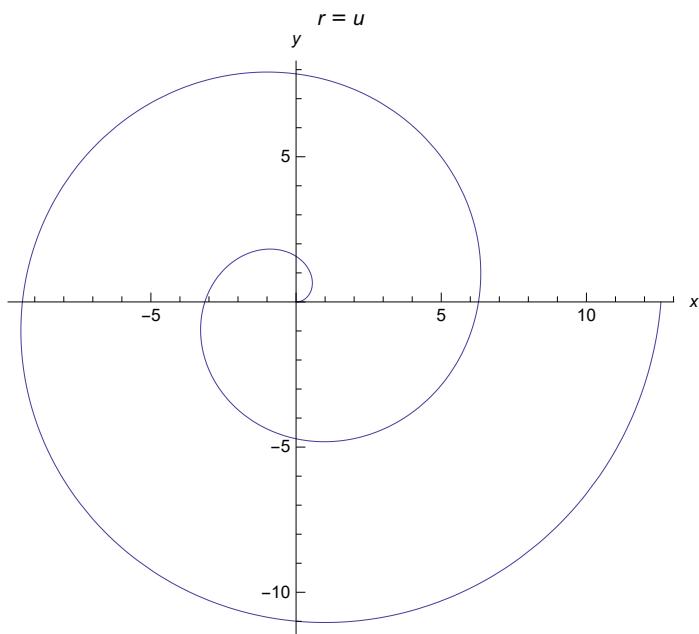
```
ParametricPlot[{{2 r Cos[t], r Sin[t]}, {r Cos[t], 2 r Sin[t]}}, {t, 0, 2 Pi}, {r, 0, 1}]
```



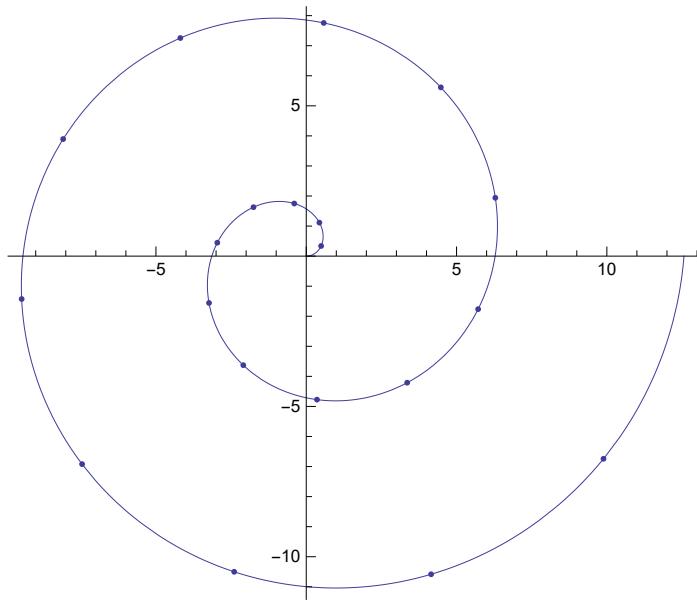
```
ParametricPlot[Evaluate[Table[{i Cos[u], i Sin[u]}, {i, 1, 3}]], {u, 0, 2 Pi},  
PlotStyle -> {Blue, Directive[Red, Dashed], Directive[Purple, Thick]}]
```



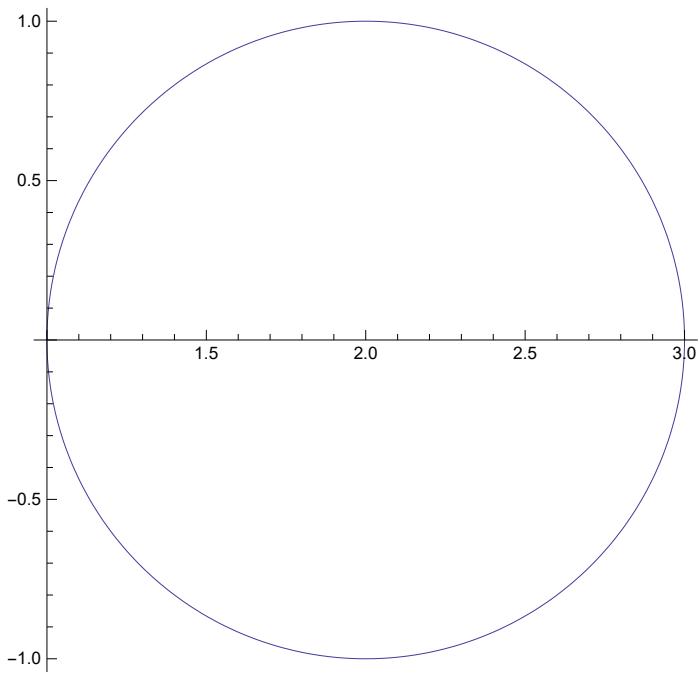
```
ParametricPlot[{u Cos[u], u Sin[u]}, {u, 0, 4 Pi}, AxesLabel -> {x, y}, PlotLabel -> r = u]
```



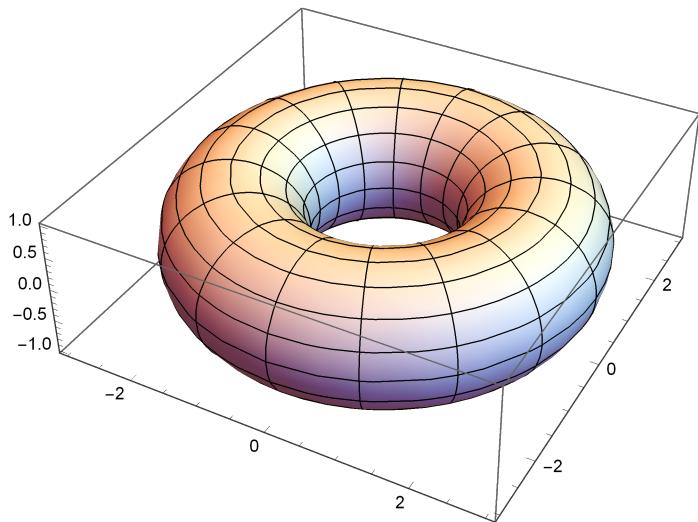
```
ParametricPlot[{u Cos[u], u Sin[u]}, {u, 0, 4 Pi}, Mesh -> 20]
```



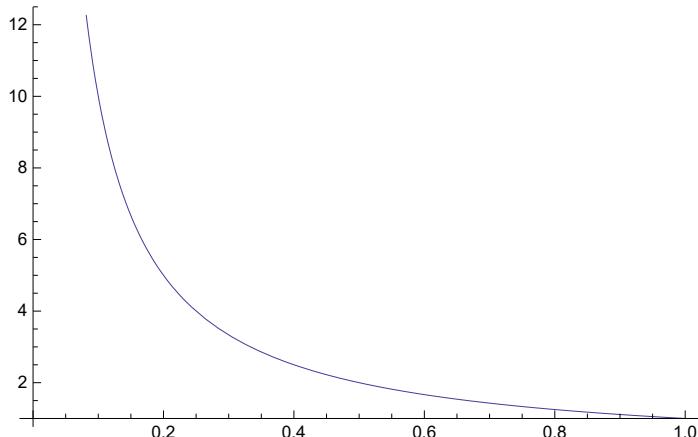
```
ParametricPlot[{2 + Cos[t], Sin[t]}, {t, 0, 2 Pi}]
```



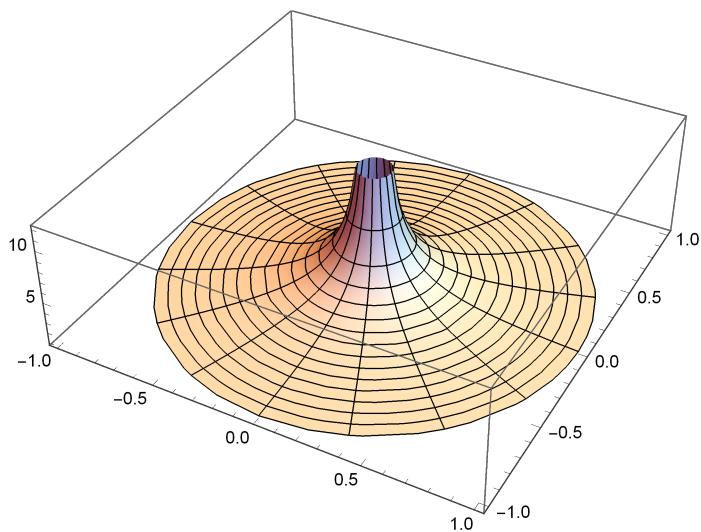
```
RevolutionPlot3D[{2 + Cos[t], Sin[t]}, {t, 0, 2 Pi}]
```



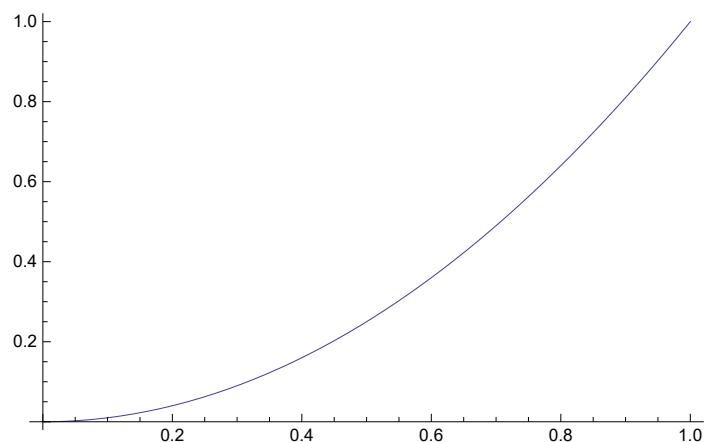
```
Plot[1/t, {t, 0, 1}, Exclusions -> {t == 0}]
```



```
RevolutionPlot3D[1/t, {t, 0, 1}]
```



```
Plot[{t^2}, {t, 0, 1}]
```



```
RevolutionPlot3D[{t^2}, {t, 0, 1}]
```

