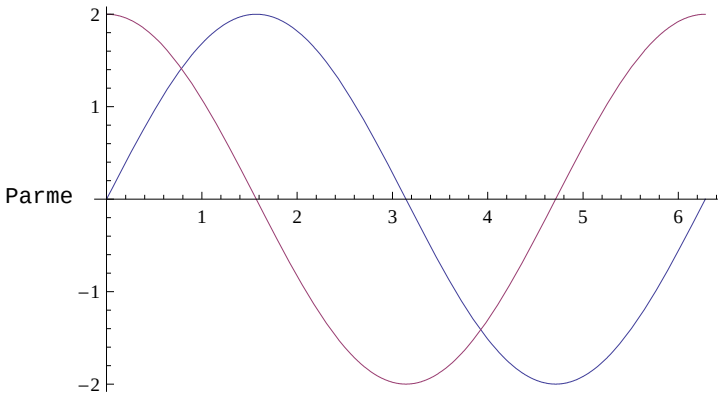
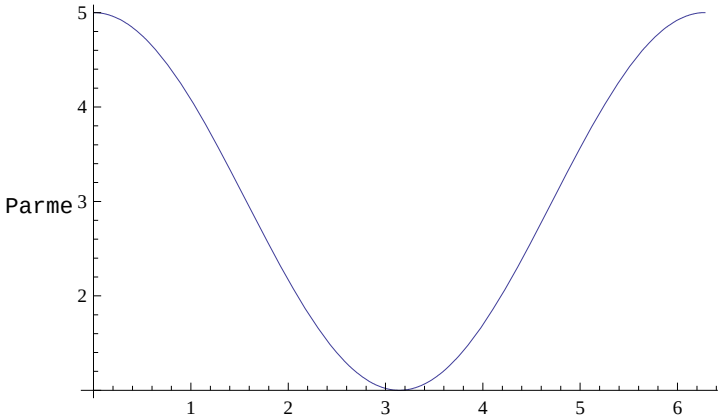
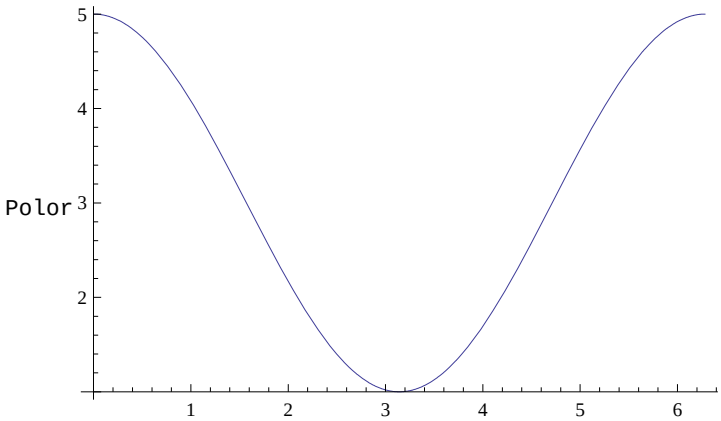
```
ParmePlot[{2Sin[t], 2Cos[t]}, {t, 0, 2π}]
```




```
ParmePlot[{3 + 2Cos[t]}, {t, 0, 2π}]
```




```
PolorPlot[{3 + 2Cos[t]}, {t, 0, 2π}]
```




```
N[√2]
```

```
1.41421
```

```
N[√(164 x^2)]
```

```
12.8062 √(x^2)
```

N[π, 1000]

```
3.14159265358979323846264338327950288419716939937510582097494459230781640628620899862803482534211706798214808651328230664709384460955058223172535940812848111745028410270193852110555964462294895493038196442881097566593344612847564823378678316527120190914564856692346034861045432664821339360726024914127372458700660631558817488152092096282925409171536436789259036001133053054882046652138414695194151160943305727036575959195309218611738193261179310511854807446237996274956735188575272489122793818301194912983367336244065664308602139494639522473719070217986094370277053921717629317675238467481846766940513200056812714526356082778577134275778960917363717872146844090122495343014654958537105079227968925892354201995611212902196086403441815981362977477130996051870721134999999837297804995105973173281609631859502445945534690830264252230825334468503526193118817101000313783875288658753320838142061717766914730359825349042875546873115956286388235378759375195778185778053217122680661300192787661119590921642019 9
```

N[3 * π, 100]

```
9.42477796076937971538793014983850865259150819812531746292483377692344921885862699588410447602635 1204
```

IntegerDigits[12, 8]

```
{1, 4}
```

IntegerDigits[8 700 940]

```
{8, 7, 0, 0, 9, 4, 0}
```

RealDigits[x, b]

RealDigits[110, 2]

```
{{1, 1, 0, 1, 1, 1, 0}, 7}
```

RealDigits[3.14, 2]

```
{{1, 1, 0, 0, 1, 0, 0, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 0,
  0, 0, 1, 1, 1, 1, 0, 1, 0, 1, 1, 1, 0, 0, 0, 0, 1, 0, 1, 0, 0, 0, 1, 1, 1, 1, 1}, 2}
```

$$\frac{5}{2} - \frac{7}{4}$$

$$\frac{3}{4}$$

$$\frac{36}{2} - \frac{48}{8}$$

12

BaseForm[10, 2]

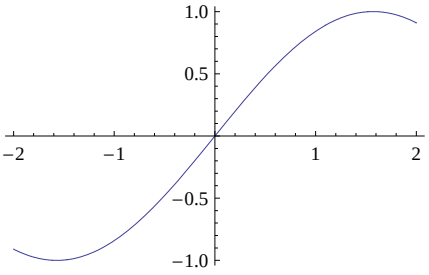
1010_2

BaseForm[36, 6]

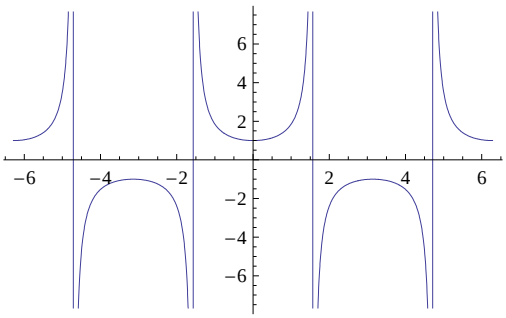
"100""6"

36

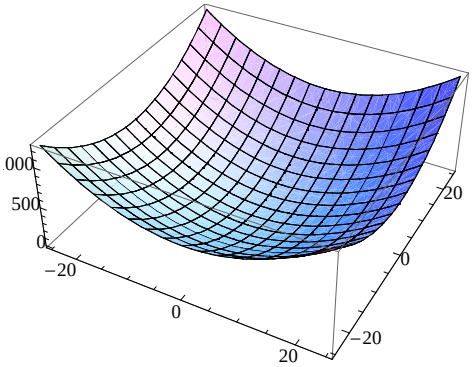
```
Plot[Sin[x], {x, -2, 2}]
```



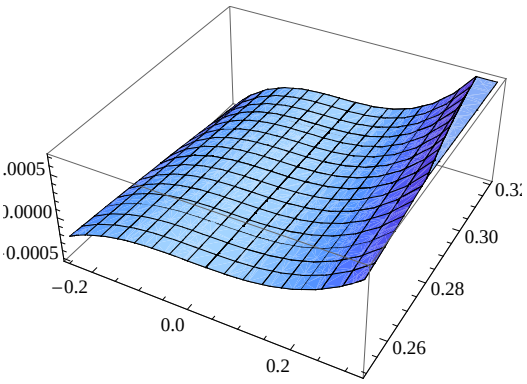

```
Plot[Sec[x], {x, 2 π, -2 π}]
```



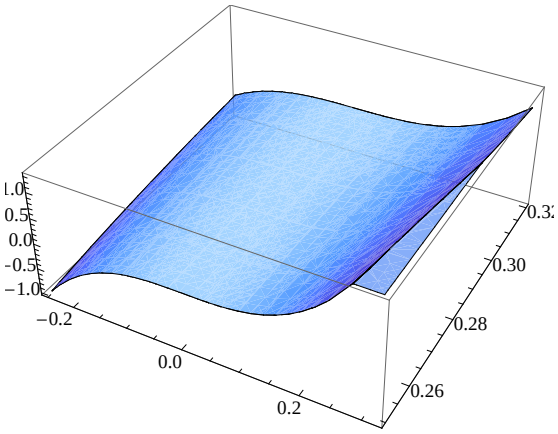

```
Plot3D[x^2 + y^2, {x, -25, 25}, {y, -25, 25}]
```




```
Plot3D[x^3 × y^3, {x, -0.25, 0.32}, {y, .25, .32}]
```



```
Plot3D[x^3 ÷ y^3, {x, -0.25, 0.32}, {y, .25, .32}, Mesh → False]
```




```
Mod[250, 5]
```

```
0
```

```
LCM[240, 25]
```

```
1200
```

```
GCD[240, 2]
```

```
2
```

```
PolynomialGCD[2 x^2, 5 x^6, x]
```

```
x
```

```
PolynomialGCD[x, 2 x^2, 5 x^6]
```

```
x
```

```
PolynomialMod[2 x^2 - x^3, x - 3]
```

```
-9
```

```
PolynomialQuotient[2 x^5, -x^2, x]
```

$$-2\,x^3$$

```
Factor[x^2 + y^2]
```

$$x^2 + y^2$$

```
Simplify[2 x^2 y - 3 xy^2 / x^2 y^2 - x^4 y^4]
```

$$-\frac{y\left(-2\,x^4 + 3\,xy^2\,y + x^6\,y^3\right)}{x^2}$$

```
FactorInteger[352]
```

```
{{2, 5}, {11, 1}}
```

```
Prime[5]
```

```
11
```

```
Prime[Range[25]]
```

```
{2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97}
```

```
PrimeQ[640]
```

```
False
```

```
PrimeQ[7035]
```

```
False
```

```
PrimeQ[5]
```

```
True
```

```
Expand[(∛(x^2 y) - ∛(xy^2) + ∛(xz))^2]
```

$$(xy^2)^{2/3} - 2\,(xy^2)^{1/3}\,xz^{1/3} + xz^{2/3} - 2\,(xy^2)^{1/3}\,(x^2 y)^{1/3} + 2\,xz^{1/3}\,(x^2 y)^{1/3} + (x^2 y)^{2/3}$$

```
Solve[{x^2 - y == 5, 3 x - y == 5}, {x, y}]
```

```
{{y → -5, x → 0}, {y → 4, x → 3}}
```

```
Solve[{2 x - y == 1, -x + 2 y == 5}, {x, y}]
```

$$\left\{\left\{x \to \frac{7}{3},\ y \to \frac{11}{3}\right\}\right\}$$