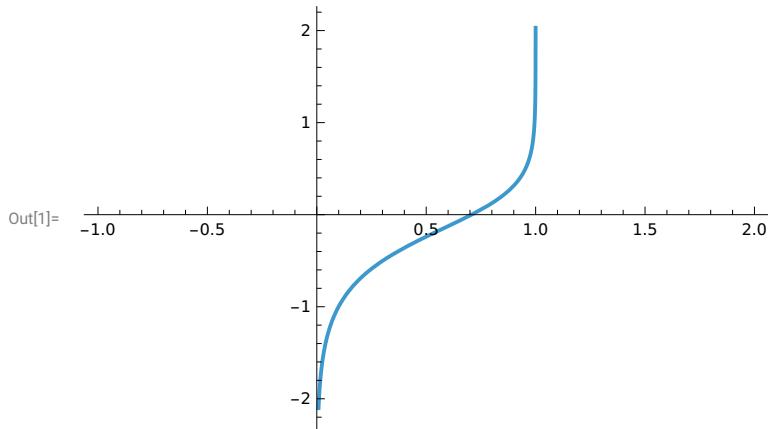


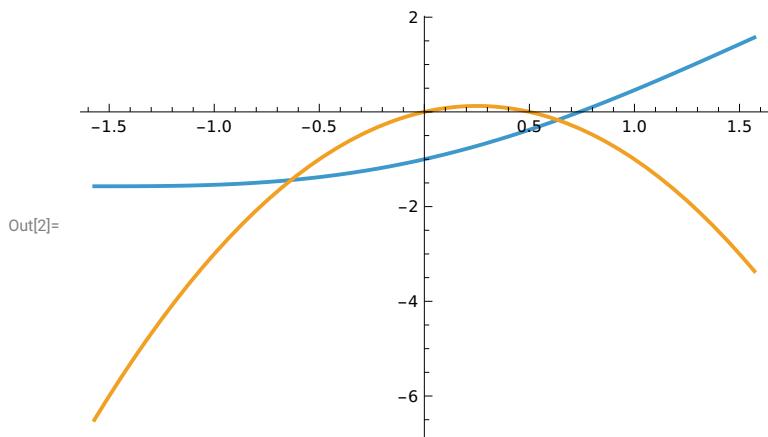
In[1]:= (* 1. Логарифмическая функция *)

Plot[Log10[x / Sqrt[1 - x^2]], {x, -1, 2}]

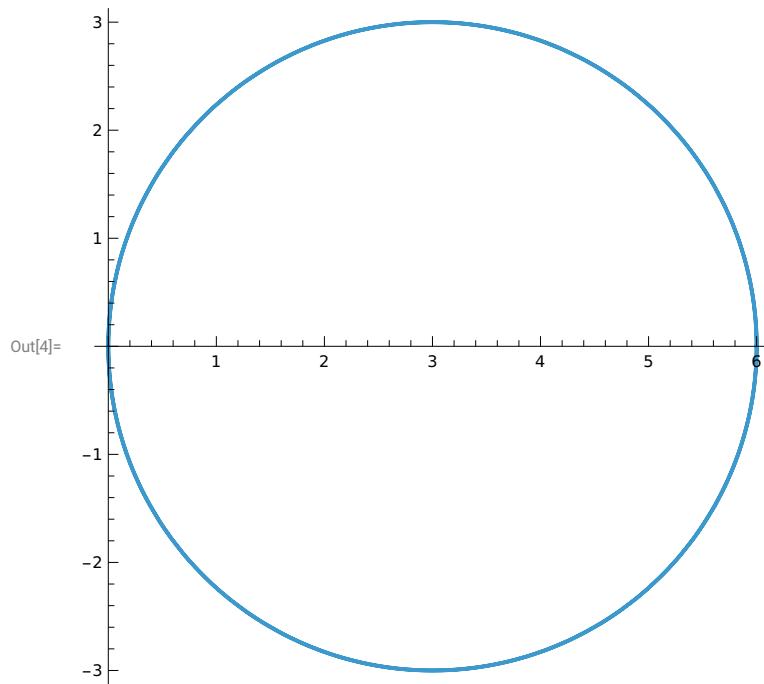


In[2]:= (* 2. Две функции на одном графике *)

Plot[{x - Cos[x], x - 2 x^2}, {x, -Pi/2, Pi/2}]

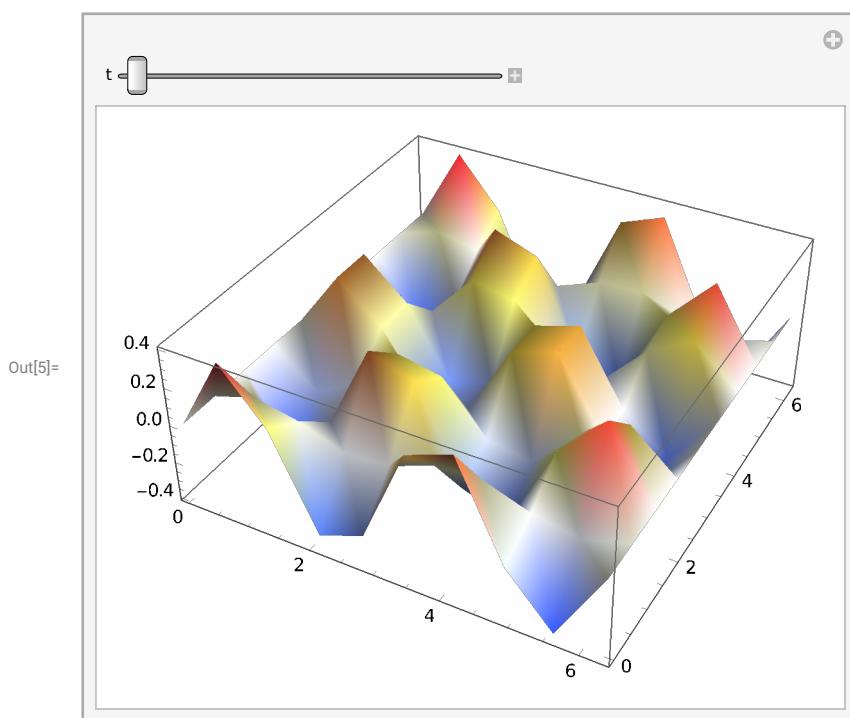


In[4]:= (* 3. Полярный график *)
PolarPlot[6 Cos[x], {x, 0, 2 Pi}]



In[5]:= (* 4. Интерактивный 3D график *)

```
Manipulate[
 Plot3D[
 Cos[t*x]*Sin[t*x]*Sin[Cos[t]],
 {x, 0, 2 Pi},
 {y, 0, 2 Pi},
 ColorFunction ->
 ],
 {t, -2, 2}
]
```



In[6]:= (* 5. Кусочно-заданная функция *)

```
Plot[\nIf[\n  x <= 0,\n  Surd[1 + x^2, 4],\n  Sin[x]^2 + (1 + x)/(1 + Cos[x]^2)\n ],\n {x, -1.4, 1.4}\n]
```

Out[6]=

