

Functions for construct graphs:

Plot [function, variation, a, b], where [a, b] - is interval of variation

!!!All functions is written with capital letter

Ctrl+6 - write to power of variation; x^2

ContourPlot[function, variation, a, b] - used for implicit functions

ESC a ESC = α

Abs ...

Solve[equation] - Solve equations

Solve[$x^2 == 1$]

Solve[$x + y == 1, x$] - solve the equation for x

!!! space = multiplication

Solve[$a + 3b == 7, 5a - 88bx == p^2, (a, b)$]

FullSimplify[expression] - Simplifying complex expressions

Ctrl + '/' - write fractions; x/y

D[function, variation] - Differentiation

D[$\exp - x * x^2, x, n$]

Log@a - gives the natural logarithm of a ($\ln a$)

Log[b, a] - gives the logarithm to base b $\log_a b$

DSolve - to solve differential equation

Heads of basic expressions:

1) Symbols

2) String

3) Integer - целые числа

4) Real - десятичные дроби

Some commands (Esc + "command" + Esc):

integration: "dintt"

∞ : "inf"

partial derivative: "pd"