

Those bad examples can be dealt with the polynom functions.

## **Good examples:**

 $0-24x^2+35x-5+23x$ 

2+0-4-0-0+2

2-x^2-4x0

24x^2+35x-5+23x+2x^2

 $x-24x^2+35x+5+2x$ 

 $3x^2+2x+3x^2-5x+3x^2+3x+5x+x$ 

2-4

The polynom have the those mathematical operations and functions

add - adding the polynom to another polynom, also you can add the polynom to a monom.

**substract**- subtracts the polynom to another polynom.

**multiply** - multiplying the polynom by another polynom, also you can multiply it by a monom.

equals - comparing two polynoms, returns true only if the polynom are perfectly equal.

**root** - with any continuous function, if there are 2 points that one of the points has a Y negative Y value and the other has a Positive Y value there must be a point X where it cross the X axis, returns this X.

copy - returns the deep copy of the polynom.

derivative - returns the derivative of the polynom.

area - calculating the Riemann integral from point x0 to point x1 using the given epsilon.

**f** - calculating the value of polynom with the given x.