This is a readme file that gives insight about the 1 assignment.

Class Monom:

This class represents a simple Monom of shape a*x^b, where a is a real number and b is a non-negative integer. This class implements the simple function y= a*x^b and supports simple operations such as: construction, value at x, derivative, add, subtract, multiply, and supports other functions of monom like toString, isZero and equals.

Class Polynom:

This Class implements the Polynom_able interface. The class represents a Polynom (as known a Polynom is built from multiple Monoms) with the following functions: add, multiply, substract, equals, root, area and derivative, almost all these functions have a helping function in order to work effectively. As well it supports construction, toString, iterator, clean(removes all zero monoms) and isZero functions.

Interface Polinom_able:

Is an interface represents a general Polynom f(x) = a1*x^b1 + … + an*x^bn, where a to n are real numbers and b to n are non negative integers, which Polynom implements.

Class Monom_Comperator:

Compares two Monoms by power and coefficient.

Interface function:

this interface represents a simple function of type y = f(x), where both y and x are real numbers.

Class test: tests the graf drawing and area.

Class Junit : tests the monom and polynom functions instead of the old test Class.