CPTR-241 HW#8

The goal of this homework is to gain experience with variable length arguments..

Create a class called varDemo that has two methods that accept a variable number of parameters (i.e. arguments). You can use a default constructor (i.e. no explicit constructor in the class). One method will accept a variable number of integers and the other a variable number of reals. Each method will compute a polynomial the order of which is determined by the number of parameters that are passed to it. Up to six parameters are allowed. The first parameter will be the value of x and the others the coefficients a, b, c, etc.

Each method is to display the equation being solved in a format similar to $y = ax^2 + bx + c$ except use the format x^2, x^3, etc for stating powers and also display the calculated value.. For example, if the values of a, b, and c are 5, 3, 12 and x = 2 then the result would be displayed as:

> For x = 2: 5x^2 + 3x + 12 = 38

Create a main program named hw8demo that will call the methods to demonstrate operation of each method for each possible equation order. Hard code parameter values into the main program (i.e. I don't expect that the values will be read from keyboard input).

Copy your .java file to D2L