John Kelley

Chris Dunn

2/17/15

Assignment 2

Reusability - Any program that needs to calculate any kind of mathematical function can implement this code with ease. Although there are only two types of equations supported right now, others can be easily added.

Extensibility - The use of the factory pattern makes it easy to add other mathematical models with ease and less duplicated code. The use of the decorator pattern also makes it easier to add support of other mathematical operations.

Maintainability - This particular program does not really call for maintainability since it deals with mathematical expression. The expressions are set in stone and you do not have to worry about having to change them in the future. Going back to extensibility, it is easy to add new things to the program.