This assignment is designed in such a way as to prepare you for the final exam (the big written question).

This assignment must be done in teams of 2. It must be demoed by the second lecture of week 12. Dont wait till the last day to demo.

You are to create a GUI (WPF) version of assignment 1.
You must have a folder called Functions. Functions has an interface called IFunc that has an abstract method called func. func returns a double value and takes in a double value. Functions has a class called func that that implements IFunc for the purpose of returning log theta.

You must create a component called SinComponent. This has a static method that returns a double and takes in a double. This static method returns Sin (2*theta).

You are to create a GUI based on WPF.
The GUI allows the user to provide a lower value, an upper value and the number of intervals. Your GUI will also display the result.

You must use 10 WPF features not discussed in class. These features must serve some purpose/functionality. They shouldnt be there just for the sake of being there.

Evaluation
Functionality/Does what its supposed to : 30 Marks
10 features: 20 Marks
Aesthetics: 50 Marks

Deductions: Up to 50% for failure to answer questions.