3 + 4 * 5 = x
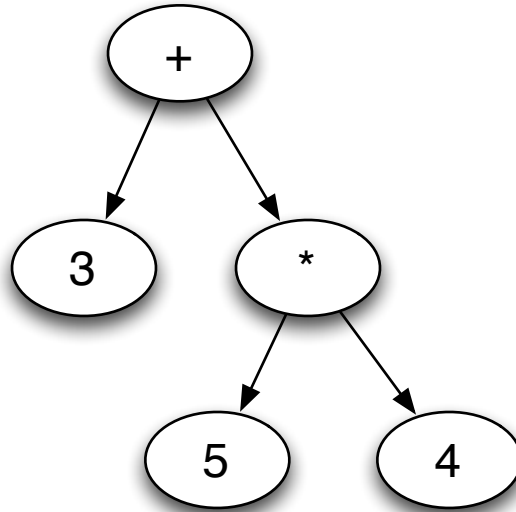
The above mathematical operation can be represented by this tree structure.

Given the following code, please provide a definition for FactoryFunction()

expression = FactoryFunction()
result = expression.evaluate() // result == 23

Your function should compose and return an object that represents this mathematical operation, and can evaluate to 23.

You should design this to be as maintainable as possible, such that we may later add new features easily.

This is not an expression parsing exercise, please write only the classes necessary to represent the given expression.