Laboratory Assignment #5 — Operator Overloading
Due: at 5:00 pm on Thursday 3/2

Outcomes
After successfully completing this assignment, you should be able to:
- Overload an operator in a C++ class

Set up
Download all files from Files-> Labs -> Lab 5.

Read run_matrix.cpp and Matrix.cpp and make sure you understand how the program works.

Compile and run `run_matrix.cpp` with:

```
g++ run_matrix.cpp Matrix.cpp -lm
```

Operator Overloading:
Write a new function in the Matrix Class that overloads the + operator. This operator should return a new matrix object:

```
C = A + B;
Where C.data[] = A.data[] + B.data[]
```

To test your operator overload function, uncomment lines 23-25 in `run_matrix.cpp`. The output should be as follows:

```
A + B =
     2       4       6       8    12.2
A + B with overload
     2       4       6       8    12.2
```

Getting credit for this Lab
To earn credit for this lab, submit your modified `run_matrix.cpp` `Matrix.cpp` and `Matrix.h` files to *Canvas* under the assignment Lab5.

Submission: 70pts
Autograder: 5pts
Attendance: 25pts