

**if we have time we will come back to this, but the answer is on the next page and this will be posted on blackboard.

cin>>num;

return 0;

Sample Output: Enter your input: 2 Enter your input: 3 Enter your input: 4 Enter your input: 5 Enter your input: 6 Enter your input: 7 Enter your input: 8 Enter your input: 9 Enter your input: 0 the average is: 5.5

Operator overloading

Class Cas & public:

private:

get x ();

gety ();

set x(); Set y();

int xiy;

Answer: Car operator-(Car c, Car cc);

for(int i=0; i<v1.size(); i++){
sum+=v1[i]: || add the number 5 @ each index to Sum

cout<"the average is: "<<(double)sum/v1.size(); [Now to find the average

- C++ allows us to redefine or overload most of the built-in operators available. For

We would simply create a new method for this

- How do we write it: Point operator + (Point a, Point)

- return_Type method_Name (parameters)

Practice : Write the method signature for subtracting two Cars (assume that this is possible): Car operator - ((ar a, car b);

However, what if we want to add two objects, we would simply overload the '+' operator.

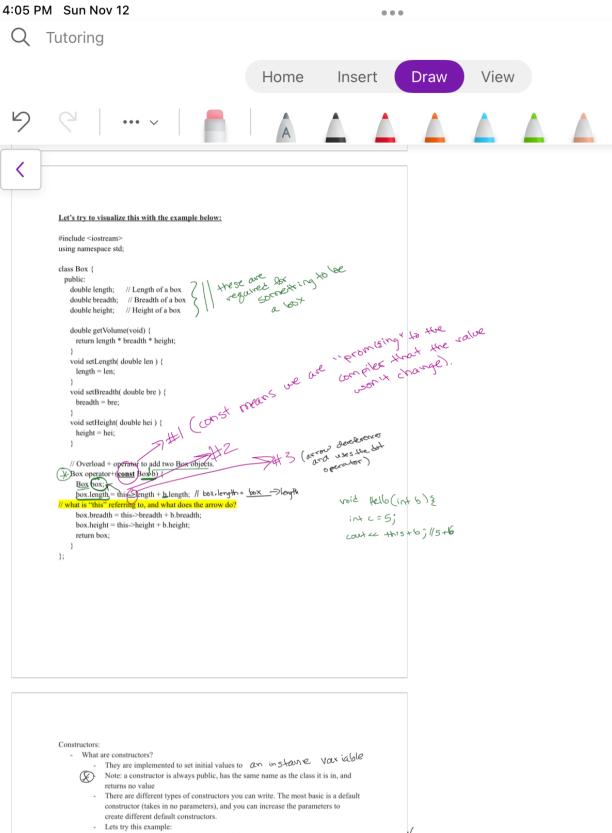
Example: Point operator+ (Point a, Point b);// here we would add two points

in main () §

a.x ?? IIb/c x is private

Ginstead a getx();

example we can redefine what the '+' operator would do Usually it would simply add two numbers (i.e. 5+12 = 17).



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seats) and sets each of them to 5,2,9 respectively.

Assume that class Car has (public) int door, int wheels, int seats.

Create the default constructor (where each variable is initialized to 4)

Create a constructor that takes in one parameter (doors) and sets it equal to

Create another constructor that takes in two parameters (doors and wheels) which sets doors to 7 and wheels to 8
Finally, create a constructor that takes in 3 parameters (doors, wheels,

Public Car () } int doors = 4; int wheels = 4; int seads = 4;

3

public (as (int &) {

doors = &;

wheels = 4; seals = 4; 3

