

```
/*
 * randomwalk.h
 * randomwalk
 *
 * Created by Theory on 11/14/13.
 * Copyright 2013 __MyCompanyName__. All rights reserved.
 *
 */
#include <iostream>
using namespace std;

class CVector { public:
    double x,y; CVector () {x=0; y=0;};
    CVector (double,double);
    CVector operator+ (CVector);
    CVector operator* (double);
};
CVector::CVector (double a, double b)
{
    x = a;
    y = b;
}
CVector CVector::operator+ (CVector param)
{
    // cout << x << endl;
    CVector temp; temp.x = x + param.x; temp.y = y + param.y;
    // cout << temp.x << " = " << x << " + " << param.x << endl;
    return (temp);
}
CVector CVector::operator* (double num)
{
    CVector temp; temp.x = x*num; temp.y = y* num;
    // cout << temp.x << " = " << x << " * " << num << endl;
    return (temp);
}
```