CS 32, Fall 2012 Hw6: 50 total points			
Print this form, staple loose pages t	ogether, and wr	ite your answers	on it.
Accepted: program by `turnin` before plus this paper at the begi No email submission allowed.	your lab section nning of your la	n on Thursday, N ab section on No	ovember 15, vember 15.
Name (1 pt):	<del></del>		
Umail (1 pt):@	umail.ucsb.edu		
Lab Section (1 pt) Circle one:	5:00	6:00	7:00
Note: it is necessary that you have obefore beginning this homework, as yo class you built in that lab. We also tasks of that lab to prepare for this	u will be adding suggest you peri	g features to th	e Vec3
Add the following features to class vone, either place a check mark on the and incorporated that feature, or wriuse the main2.cpp testing program desand check your results against the on	line if you (and te a brief explanation of the "A cribed in the "A	nd your partner) anation telling After lab-work"	succeeded us why not. of Lab06,
1. (9 pts.) Overload += as a member a constant Vec3 object to the compone Vec(1, 2, 3) += Vec(4, 4, 4) change	nts of the call	ina obiect. For	example.
#1 done:(check, or say why not)			
2. (20 pts.) Overload ++ twice, so post-increment operator. For example, component of the vec by 1, but ++vec vec++ will return a copy of the pre-ithe signatures of these operators, st version is identified by an int param the pre- version returns a reference,	both ++vec and will return that ncremented objections are nough, seter; the other	vec++ should in t incremented ob ct. The differen is that the pos one has no para	crease each ject while ce between t-increment meters. Als
#2 done:			
3. (18 pts.) Overload [] twice, so element access. That is, given a Vec3 value of v.x, v[1] returns v.y's value functions. But the constant version s version should return a reference that side of an assignment:  v[0] = 7.5; // uses the mutable vecout << v[0]; // uses the constant You may assume that only 0, 1 or 2 wi	object named ver and ver and ver and ver et	, v[0] should re urns v.z's value copy, whereas th tem to appear on	turn the in both e mutable the left
#3 done:			

End of Hw6 (but see turn-in instructions on next page)

## Turn-in instructions:

A. After testing to verify results are correct, use the turnin program to submit both of your revised vec.h and vec.cpp as follows:

turnin hw6@cs32 vec.h vec.cpp

If you worked with a partner, then just turn in one copy for both of you, and enter your partner's name on the following line:

B. Each student must turn in this completed paper at your next lab.