First name (color-in initial)	А	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	s	Т	U	V	w	х	Υ	z	section (9,10,11, 12,1 or 2)	first name initial	last name initial
Last name (color-in initial)	А	В	С	D	Ε	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	s	Т	U	V	w	х	Υ	z			

H08: Due Tuesday, 01.27 in Lab

Review of Parameter Passing (Chapter 4, and Sections 5.1, 5.2)

Assigned: Tue 01.20 Total Points: 50

MAY ONLY BE TURNED IN IN THE LECTURE/LAB LISTED ABOVE AS THE DUE DATE, or offered in person, for in person grading, during instructor or TAs office hours.

See the course syllabus at https://foo.cs.ucsb.edu/16wiki/index.php/W15:Syllabus for more details.

- (1) (10 pts) Fill in the information below. Also, fill in the A-Z header by
 - coloring in the first letter of your first and last name (as it appears in Gauchospace),
 - writing either 9,10,11,12,1 or 2 to indicate your discussion section (lab) meeting time
 - writing your first and last initial in large capital letters.

All of this helps us to manage the avalanche of paper that results from the daily homework.

name:	
umail address:	@umail.ucsb.edu

If you collaborated with AT MOST one other person on this homework, write his/her name below. She/he should also have your name on his/her paper.

- 2. (4 pts) Consider the program p01.cpp in the box at the right. Find the line of code that says fun (&a); . What is the meaning of the & symbol on this line? (Multiple choice:)
 - a. C++ style pass by reference
 - b. take the address of a
 - c. logical and
 - d. bitwise and
- 3. (8 pts) What is the output of the program p01.cpp in the box at right?

```
#include <iostream>
using namespace std;

int main() {
   int a = 2;
   fun(&a);
   cout << "a=" << a << endl;
   return 0;
}

void fun(int *w) {
   (*w) = 7;
   cout << "(*w)=" << (*w) << endl;
}</pre>
```

- 3. (4 pts) Consider the program p02.cpp in the box at the right. Which of the following correctly describes the style of parameter passing used in this program?
 - a. C++ style pass by reference
 - b. pass by value
 - c. simulated pass by reference using pointers
 - d. passing an array to a function
- 4. (8 pts) What is the output of the program p02.cpp in the box at right?

```
// p02.cpp
#include <iostream>
using namespace std;

void times(int y) {
   y = y * 9;
   cout << "y=" << y << endl;
}

int main() {
   int b = 7;
   times(b);
   cout << "b=" << b << endl;
   return 0;
}</pre>
```

- 5. (4 pts) Consider the program p03.cpp in the box at the right. Which of the following correctly describes the style of parameter passing used in this program?
 - a. C++ style pass by reference
 - b. pass by value
 - c. simulated pass by reference using pointers
 - d. passing an array to a function
- 6. (4 pts) What is the meaning of the & symbol in the line void phoney (int &z) {
 - a. C++ style pass by reference
 - b. pass by value
 - c. simulated pass by reference using pointers
 - d. passing an array to a function

```
// p03.cpp
#include <iostream>
using namespace std;

void phooey(int &z) {
   z = z / 2;
   cout << "z=" << z << endl;
}

int main() {
   int b = 3;
   phooey(b);
   cout << "b=" << b << endl;
   return 0;
}</pre>
```

7. (8 pts) What is the output of the program p03.cpp in the box at right?