CISP 360: Problem Set #6

1. Consider the following array definition:

int values[5] = { 4, 7, 6, 8, 2 };

What does each of the following statements display?

cout << values[4] << endl; \_\_\_\_\_\_\_\_\_\_

cout << (values[2] + values[3]) << endl; \_\_\_\_\_\_\_\_\_\_

cout << ++values[1] << endl; \_\_\_\_\_\_\_\_\_\_

2. How do you define an array without providing a size declarator?

3. Is an array passed to a function by value or by reference?

4. Look at the following array definition.

double sales[8][10];

How many rows does the array have?

How many columns does the array have?

How many elements does the array have?

Write a statement that stores a number in the last column of the last row in the array.

5. Each element of an array is accessed and indexed by a number known as a(n) \_\_\_\_\_\_\_\_\_.

6. Subscript numbering in C++ always starts at \_\_\_\_\_\_\_\_\_.

7. If an array is partially initialized, the uninitialized elements will be set to \_\_\_\_\_\_\_\_\_.

8. By using the same \_\_\_\_\_\_\_\_\_ for multiple arrays, you can build relationships between the data stored in the arrays.

9. The arrays numberArray1 and numberArray2 have 100 elements. Write code that copies the values in numberArray1 to numberArray2 .

10. An application uses a two-dimensional array defined as follows.

int days[29][5];

Write code that sums each row in the array and displays the results.

Write code that sums each column in the array and displays the results.

11. The following has errors. Locate as many as you can.

char greeting[] = {'H', 'e', 'l', 'l', 'o'};

cout << greeting;