CISS240: Introduction to Programming
Quiz q0703

Name: _____   Score: _____

This is a closed-book, no C++ compiler, 2-minute quiz.

Q1. The following is part of the bubblesort that sorts values in ascending order. Note that only two passes are executed.

```
int x0 = 3, x1 = 5, x2 = 1, x3 = 7, x4 = 0;

// Execute PASS 1 (CODE NOT SHOWN)
std::cout << x0 << ' ' << x1 << ' ' << x2 << ' ' << x3 << ' ' << x4 << '\n';

// Execute PASS 2 (CODE NOT SHOWN)
std::cout << x0 << ' ' << x1 << ' ' << x2 << ' ' << x3 << ' ' << x4 << '\n';
```

What is the output? (one character per square).
ANSWER:

Q2. Complete the following code segment that performs the bubblesort algorithm on three variables x0, x1, and x2 so that the values in x0, x1, x2 are in ascending order.
ANSWER:

```
double x0 = 0.0, x1 = 0.0, x2 = 0.0;
std::cin >> x0 >> x1 >> x2;

// Bubblesort on x0, x1, x2
double t = 0.0; // variable for temporary storage during swaps
```

```
std::cout << x0 << ' ' << x1 << ' ' << x2 << '\n';
```