## Kerry Ojakian's CSI 32 Class

## Class Work \#2

General Instructions: Work on your own on this Mock Quiz. Show all your work. Put all your answers and work on this sheet. No electronic devices allowed. You may use your one cheat sheet. All programs and reponses should use C++.

1. What is the value of $x$ after running the following code
```
int x = 3;
x = x + 2;
x = 2*x;
```

2. What are the values of $V[0]$ and $V[2]$ after running the following code
```
vector<int> V;
V.push_back(3);
V.push_back(4);
V.push_back(9);
V.pop_back();
V.push_back(7);
```

3. What does the following code print.
```
cout << "AAA";
cout << "BBB" << endl;
cout << "CCC";
int x, y;
x = 7;
y = x;
x++;
cout << " x: " << x << " y: " << y << endl;
```

4. Write an expression that evaluates to true if and only if the value of the integer variable $y$ is negative.
5. Write a program that reads in an integer input from the user (using "cin") and then prints out "EVEN" if the integer is even, and prints "ODD" if the integer is odd.
6. Use a while loop (or a for-loop) to write a program that prints the integers 10 through 1000 , counting by 10 s; i.e. it should print $10,20,30, \ldots, 100,110, \ldots, 1000$.
