

# CSc 2010: PRINCIPLES OF COMPUTER SCIENCE

## Lab 8 - Parameters

### How to Submit

Please submit your solution to the lab instructor once you have your program working. He will tell you how he would like you to turn it in. Failure to submit will result in a zero.

1. *Write down the output of the following program and explain why your result is not a double.*

```
public class Point {  
    public static void main(String [] args){  
        double x1=2.0, y1=3.0, x2=7.0, y2=2.0;  
        distance(x1,y1,x2,y2);  
    }  
    public static void distance(double x1, double x2, double y1, double y2) {  
        double xDiff = x1 - x2;  
        double yDiff =y1 - y2;  
        System.out.println("Distance = " +(int)Math.sqrt(xDiff * xDiff + yDiff * yDiff));  
    }  
}
```

2. *Write a java program with 3 methods to print following patterns: method1 takes two int parameters (num1 and num2) and prints their difference, method2 takes three double parameters (d1, d2 and d3) and prints the average of these three numbers and method3 takes two String parameters (fname and lname) and prints fname and lname separated by a space. Call these methods from the main method and you can supply your own values to the parameters.*