

Worksheet: Using the Math Class

1. The start of a class named `UsingMathClass` is given. Please complete the class by writing the following methods: `calculateCircumference` and `hypotenuseLength`. Your code must run without error with the `main` method as given, and the methods must work correctly for different parameter values. The expected output for the given `main` method is as follows:

```
Circumference: 18.84955592153876
Hypotenuse Length: 5.0
```

After coding and testing your solution, copy your working code into the box below:

```
public class UsingMathClass {

    public static void main(String[] args) {
        double c = calculateCircumference(3.0);
        System.out.println("Circumference: " + c);
        double len = hypotenuseLength(3.0, 4.0);
        System.out.println("Hypotenuse Length: " + len);
    }

    public static double calculateCircumference(double radius) {
        return 2 * Math.PI * radius;
    }

    public static double hypotenuseLength(double x, double y) {
        return Math.sqrt(x*x + y*y);
    }

}
```