

CPS 210 - Lab Quiz 5

Name: _____

1. (5 pts) Write a method that finds the area of a square. **side** could include a decimal. For your submission, just write the method, not the call. Calculation is:

$$\text{area} = \text{side} * \text{side}$$

- **1 point** for correct return type (only 0.5 for int)
- **1 point** for correct parameter (only 0.5 for int)
- **1 point** for public, static and method name
- **1 point** for calculation
- **1 point** for return

```
public static double getArea(double side) {  
    return side * side;  
}
```

2. (3 pts) A method has the following method header:

public static int summation(int end)

Write **ONLY** the line of code to **call** the method above in a method header using whatever value you want for *end*. You must assign your call to the return type if it is anything but void.

int num = *summation*(5);

- **1 point** for variable, double
- **0.5 points** for name
- **0.5 points** for =
- **1 point** for calling method properly with some kind of value

3. (2 pts - True or False) The methods below with the following headers can be in the same program:

public static double getAverage(double x, double y)

public static double getAverage(int x, int y)

- A. **True - this is an example of an overloaded method — same name, but different parameters.**
- B. False

- No partial credit.