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## Task 1

The screenshot shows the Visual Studio IDE with a C# project named 'lab3\_task1'. The code defines a `Rectangle` class with two private fields, `sideA` and `sideB`, and three public methods: `Rectangle(double a, double b)`, `Rectangle(double a) : this(a, 5)`, and `Rectangle() : this(4, 3)`. A `GetSideA()` method is also shown. The debug output window displays the results of three instances: a rectangle with sides 6 and 8 (Area: 48, Perimeter: 28, Is Square: False), a rectangle with sides 5 and 5 (Area: 25, Perimeter: 20, Is Square: True), and a rectangle with sides 4 and 3 (Area: 12, Perimeter: 14, Is Square: False). The output also shows the state after swapping sides for the last instance (Side A: 3, Side B: 4). The console window at the bottom shows the program's execution path and exit code.

```
using System;

public class Rectangle
{
    private double sideA;
    private double sideB;

    public Rectangle(double a, double b)
    {
        sideA = a;
        sideB = b;
    }

    public Rectangle(double a) : this(a, 5)
    {
    }

    public Rectangle() : this(4, 3)
    {
    }

    public double GetSideA()
    {
    }
}
```

Side A: 6  
Side B: 8  
Area: 48  
Perimeter: 28  
Is Square: False

Side A: 5  
Side B: 5  
Area: 25  
Perimeter: 20  
Is Square: True

Side A: 4  
Side B: 3  
Area: 12  
Perimeter: 14  
Is Square: False

After swapping sides:  
Side A: 3  
Side B: 4

C:\Users\manke\source\repos\lab3\_task1\lab3\_task1\bin\Debug\net8.0\lab3\_task1.exe (process 2068) exited with code 0.  
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.  
Press any key to close this window . . .

## Task 2

