

Java
 nested for loop worksheet #1

Name -
 Period -

Trace the code below showing the values in each variable's column. Accurately draw the output in the box.

```

public class Worksheet
{
    public static void main(String[] args)
    {
        printStars1();
        System.out.println();
        printStars2();
        System.out.println();
        printStars3();
        System.out.println();
        printStars4();
        System.out.println();
        printStars5();
    }
    public static void printStars1() // output already displayed
    {
        for (int i = 1; i < 4; i++)
        {
            for (int j = 0; j < i; j++)
                System.out.print("*");
            System.out.println();
        }
    }
    public static void printStars2() // i j
    {
        for (int i = 4; i > 1; i--)
        {
            for (int j = 1; j < i; j++)
                System.out.print("*");
            System.out.println();
        }
    }
    public static void printStars3() // k m
    {
        for (int k = 1; k < 4; k++)
        {
            for (int m = k; m > 0; m--)
                System.out.print("*");
            System.out.println();
        }
    }
    public static void printStars4() // n p
    {
        for (int n = 1; n < 4; n++)
        {
            for (int p = 0; p < 4 - n; p++)
                System.out.print("*");
            System.out.println();
        }
    }
    public static void printStars5() // s t
    {
        for (int s = 1; s < 4; s++)
        {
            for (int t = 1; t < s; t++)
                System.out.print(" ");
            for (int t = 0; t < 4 - s; t++)
                System.out.print("*");
            System.out.println();
        }
    }
}

```

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