

Static Variable Worksheet

Name: _____

Period: _____PC #: _____

What does the following code output?

```
class StaticVariable
{
    public static void main(String[] args)
    {
        SomeClass sc1 = new SomeClass();
        SomeClass sc2 = new SomeClass();

        sc1.addToVars(3, 7, -1);
        sc2.addToVars(4, 1, 6);
        sc1.addToVars(-3, -5, 2);

        System.out.println(sc1);
        System.out.println(sc2);
    }
}

class SomeClass
{
    private int m, n;
    private static int a;

    SomeClass()
    {
        m = 7;
        n = 5;
        a = 3;
    }

    public void addToVars(int M, int N, int A)
    {
        m += M;
        n += N;
        a += A;
    }

    public String toString()
    {
        return "(m,n,a) = (" + m + ", " + n + ", " + a + ")\n";
    }
}
```