

Name: _____ Date: _____

Practice with Recursion

In this assignment you will write a class `Fibonacci` that calculates the `nth` Fibonacci number. Before you implement your code, determine the base case and recursive case for the function. The main function of your class is given. Implement the remaining sections.

Recursive Case:

Base Case:

```
class Fibonacci {

    public int calcFibonacci(int n) {

        // Use this main function to check if your class is
        // implemented correctly
        public static void main(String[] args){
            Fibonacci fib = new Fibonacci();
            int n = 7;
            int result = fib.calcFibonacci(n);
            System.out.printf("Fibonacci %d: %d\n", n, result);
        }
    }
}
```

What is the output of this program? _____