This week’s quizzes cover readings, handouts, labs, and lecture materials up to and including Monday 2/28. Answer the following questions as practice for your graded quiz on Friday.

1. Create a (very short) recursive method that prints all numbers from \( n \) down to 1. For example, calling `printFromN(3)` should give the output:

3
2
1

Your method should not use any loops and you do not need any helper methods. You do not need to include any comments or `Assert` calls; just write the main method body.

```java
public static void printFromN(int n) {
    if(n > 0) {
        System.out.println(n);
        printFromN(n-1);
    }
}
```

2. Supply at least one precondition for `printFromN`.

Your answer: ________________ We must have \( n \geq 1 \)

3. How much time does `printFromN` take in the worst case? Use Big-O notation to upper bound the number of operations. Assume that `System.out.println()` takes constant time.

Your answer: The method is invoked \( n \) times, each requiring constant # operations: \( O(n) \)