Name: _____ Period: _____

APCS Problem Set 4b: Algorithms and Basic Flow Control

5.4 A Recursive `mysterySum()`

In the space below, show the recursive evaluation of `mysterySum(5)` from Ch. 13, #2. Put a triangle (Δ) around the final result that would be returned. (10pts)

8.2 Book Questions

1. *Adapted from a Litvin 1st edition problem:*
   ...
   (b) **Extra credit:** Write a recursive version of the `printTriangle()` method, without iterations. (+4pts)

   (c) **Extra credit:** Modify the recursive version of `printTriangle()`, so that `printTriangle(n)` displays (+3pts)

   ```
   *****
   ****
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   *
   ```

2. Ch. 13, #12a. **Show your scratch work.** (6pts)