

## INTRO RECURSION PROBLEMS

1. For the following sequences, complete the following tasks:
  - a) Explain why the sequence below has a recursive solution, **using the 3 criteria**.
  - b) Write the recursive method. (You do not have to do anything if the solution is not recursive.)

Sequence 1: 1,1,2,3,5,8,13,21, .....

2. There is a way to determine the square of any number using recursion. The rule is below.

Square(1)=1

Square(n)= square(n-1) + 2n-1

Write the recursive method for this problem.