

Test 12: Name _____ ID _____

1. Describe the sequence $1^2, 2^2, 3^3, 4^2, \dots$ recursively. Include initial conditions and assume that sequences begin with a_1 .

2. Find the solution of the recurrence relation $a_n = 2a_{n-1} + a_{n-2}$ where $a_0 = 1, a_1 = 2$.