

Sheet #1130:

PRACTICE FOR SEQUENCES

NAME: _____

Period: _____

1, 2, 7, 12, 17, 22, ...

a, WRITE AN EXPLICIT RULE FOR a_n (NOT USING a_{n-1}).

b, WHAT IS 21st ELEMENT?

2. CONSIDER THE GEOMETRIC SEQUENCE WITH $a_1 = 9$ AND $r = 1/3$

a, WRITE AN EXPLICIT RULE FOR a_n .

b, WRITE A RECURSIVE RULE.

c, WHAT IS 4th ELEMENT?

3. FIND THE FIRST 4 ELEMENTS OF

$$\begin{cases} a_1 = 3 \\ a_{n+1} = a_n + 2 \end{cases}$$