

GO

Topic: Creating both explicit and recursive equations

Write equations for the given tables in both recursive and explicit form.

10.

$m = -3/1$

n	$f(n)$
1	5
2	2
3	-1

Handwritten notes: +1, -3, -3 with arrows indicating the slope between rows.

Explicit: $y = 5 - 3(x-1)$

Recursive: $f(1) = 5$
 $f(n) = f(n-1) - 3$

11.

n	$f(n)$
1	6
2	12
3	24

Explicit:

Recursive:

12.

n	$f(n)$
0	-13
2	-5
3	-1

Explicit:

Recursive:

13.

n	$f(n)$
1	5
4	11
5	13

Explicit:

Recursive:

14.

n	$f(n)$
2	5
7	15,625
9	390,625

Explicit:

Recursive:

15.

n	$f(n)$
0	-4
1	-16
2	-64

Explicit:

Recursive:

1) Linear or Exponential?