

Topic: Finding equations for functions.

Find both the explicit and recursive equations for the tables below.

1.

n	$f(n)$
1	3
2	5
3	7
4	9

Explicit:
Recursive:

2.

n	$f(n)$
2	4
3	8
4	16
5	32

Explicit:
Recursive:

3.

n	$f(n)$
6	23
7	19
8	15
9	11

Explicit:
Recursive:

4.

n	$f(n)$
1	1
2	3
3	9

Explicit:
Recursive:

5.

n	$f(n)$
3	8
4	4
5	2

Explicit:
Recursive:

6.

n	$f(n)$
6	7
9	13
12	19

Explicit:
Recursive:

7.

n	$f(n)$
2	40
4	32
8	16

Explicit:
Recursive:

8.

n	$f(n)$
2	16
3	4
4	1

Explicit:
Recursive:

9.

n	$f(n)$
17	5
20	10
26	20

Explicit:
Recursive: