

# Practice

## Writing Equations from Patterns

Write an equation for each relation.

1.

$x$	1	2	3	4	5
$f(x)$	5	7	9	11	13

2.

$x$	-3	-2	-1	0	1	2	3
$f(x)$	14	10	6	2	-2	-6	-10

3.

$x$	-3	-2	-1	0	1	2	3
$f(x)$	4	4	4	4	4	4	4

4.

$x$	-3	-2	-1	0	1	2	3
$f(x)$	9	6	3	0	-3	-6	-9

5.

$x$	-3	-2	-1	0	1	2	3
$f(x)$	3	2	1	0	-1	-2	-3

6.

$x$	-6	-4	-2	0	2	4	6
$f(x)$	-5	-4	-3	-2	-1	0	1

7.  $\{(-3, 3), (-1, 1), (0, 0), (2, 2), (4, 4)\}$

8.  $\{(1, 2), (2, 4), (3, 8), (4, 16), (5, 32)\}$