

**Write a Rule Challenge Answers**

Write a rule for each function.

1.

$x$	$y$
10	6
9	5
8	4
7	3
6	2

$$y = x - 4$$

2.

$x$	$y$
0	0
2	6
4	12
6	18
8	24

$$y = 3x$$

3.

$x$	$y$
3	7
4	11
5	15
6	19
7	23

$$y = 4x - 5$$

4.

$x$	$y$
16	6
14	5
12	4
10	3
8	2
6	1

$$y = \frac{1}{2}x - 2$$

5.

$x$	$y$
1	11
2	14
3	17
4	20
5	23

$$y = 3x + 8$$

6.

$x$	$y$
8	24
10	32
12	40
14	48
16	56

$$y = 4x - 8$$

7.

$x$	$y$
3	2
6	3
9	4
12	5
15	6

$$y = \frac{1}{3}x + 1$$

8.

$x$	$y$
-1	4
0	4
1	4
2	4
3	4

$$y = 4$$

9.

$x$	$y$
3	4
6	5
9	6
12	7
15	8

$$y = \frac{1}{3}x + 3$$

10.

$x$	$y$
4	1
8	2
12	3
16	4
20	5

$$y = \frac{1}{4}x$$

11.

$x$	$y$
3	1
6	2
9	3
12	4
15	5

$$y = \frac{1}{3}x$$

12.

$x$	$y$
1	4
2	6
3	8
4	10
5	12

$$y = 2x + 2$$

13.

$x$	$y$
2	2
4	8
6	14
8	20
10	26

$$y = 3x - 4$$

14.

$x$	$y$
1	1
2	2
3	3
4	4
5	5

$$y = x$$

15.

$x$	$y$
3	22
4	27
5	32
6	37
7	42

$$y = 5x + 7$$

16.

$x$	$y$
20	9
16	7
12	5
8	3
4	1

$$y = \frac{1}{2}x - 1$$

17.

$x$	$y$
3	33
5	55
7	77
8	88
9	99

$$y = 11x$$

18.

$x$	$y$
9	29
10	33
11	37
12	41
13	45

$$y = 4x - 7$$