

Functions: Lesson 5

Writing Function Rules: Worksheet 1

Name: Answer Key!



Write the function rules for these sets of data:

1)

x	y
1	0
2	4
3	8

 $y = 4x - 4$
 $y = 4x + ?$
 $0 = 4(1) + ?$
 $0 = 4 + (-4)$

2)

x	y
1	10
2	5
3	0

 $y = -5x + 15$
 $y = -5x + ?$
 $10 = -5(1) + ?$
 $10 = -5 + 15$

3)

x	y
1	8
2	11
3	14

 $y = 3x + 5$
 $y = 3x + ?$
 $8 = 3(1) + ?$
 $8 = 3 + 5$

4)

x	y
1	7
2	8
3	9

 $y = 1x + 6$
 $y = x + ?$
 $7 = 1 + ?$
 $7 = 1 + 6$

5)

x	y
1	9
2	7
3	5

 $y = -2x + 11$
 $y = -2x + ?$
 $9 = -2(1) + ?$
 $9 = -2 + 11$

6)

x	y
1	4
2	10
3	16

 $y = 6x - 2$
 $y = 6x + ?$
 $4 = 6(1) + ?$
 $4 = 6 + (-2)$

7)

x	y
1	-4
2	-1
3	2

 $y = 3x - 7$
 $y = 3x + ?$
 $-4 = 3(1) + ?$
 $-4 = 3 + (-7)$

8)

x	y
1	11
2	6
3	1

 $y = -5x + 16$
 $y = -5x + ?$
 $11 = -5(1) + ?$
 $11 = -5 + 16$