

Function Tables of Linear Functions

1. Each function table shown below has a rule written in the first cell. Use the rule to find the missing values.

$y = 3x + 2$	
y	x
	8
	6
29	
14	
	2

$y = 2x - 1$	
y	x
	2
	6
1	
5	
	8

$y = 5x - 2$	
y	x
	4
8	
-2	
	7
	10

2. Make a function table for each of the following rules. Use 1, 3, 5, 7 and 9 as the input (x) values for each table.

a. $y = 2x + 4$

x					
y					

b. $y = x - 6$

x					
y					

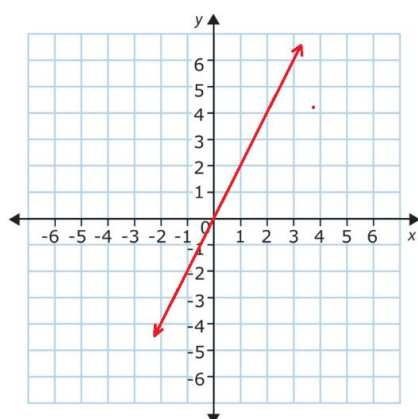
c. $y = 2x - 3$

x					
y					

d. $y = 4$

x					
y					

3. Find the equation of the line from the graph shown below and draw a data table for it.



Solution:

Equation:

Data Table:

x					
y					

Function Tables of Linear Functions

Answer Key

1. Each function table shown below has a rule written in the first cell. Use the rule to find the missing values.

$y = 3x + 2$	
y	x
26	8
20	6
29	9
14	4
8	2

$y = 2x - 1$	
y	x
3	2
11	6
1	1
5	3
15	8

$y = 5x - 2$	
y	x
18	4
8	2
-2	0
33	7
48	10

2. Make a function table for each of the following rules. Use 1, 3, 5, 7 and 9 as the input (x) values for each table.

a. $y = 2x + 4$

x	1	3	5	7	9
y	6	10	14	18	22

b. $y = x - 6$

x	1	3	5	7	9
y	-5	-3	-1	1	3

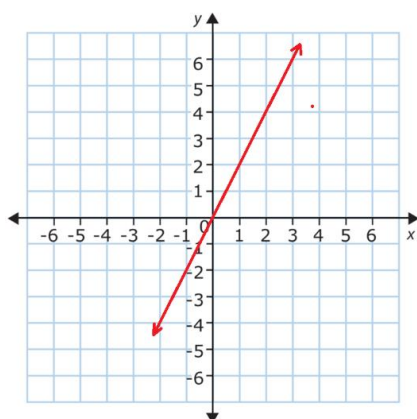
c. $y = 2x - 3$

x	1	3	5	7	9
y	-1	3	7	11	15

d. $y = 4$

x	1	3	5	7	9
y	4	4	4	4	4

3. Find the equation of the line from the graph shown below and draw a data table for it.



Solution:

Equation: $y = 2x$

Data Table:

x	0	1	2	3	4
y	0	2	4	6	8