Linear Relations · Grade 8

Answer each question. Write a rule as y = mx + b (leave out the "y =").

Name _____ Date _____ Score _____ / 9

01 Look at the table.

x	0	1	2	3	4
y	1	4	7	10	13

a) What is the rate of change?

b) What is y when x = 0?

c) What is y when x = 6?

02 Fill in each blank.

a) y = 5x + 1. Find y when x = 6.

b) y = 5x + 5. Find y when x = 8.

c) Is (4, 22) on the line y = 3x + 10?

03 Look at the table.

x	0	1	2	3	4
y	2	7	12	17	22

a) What is the rate of change?

b) What is y when x = 0?

c) What is y when x = 6?

Linear Relations · Grade 8 (Answer Key)

Answer each question. Write a rule as y = mx + b (leave out the "y =").

01 Look at the table.

x	0	1	2	3	4
y	1	4	7	10	13

a) What is the rate of change? **3**

b) What is y when x = 0? **1**

c) What is y when x = 6? **19**

02 Fill in each blank.

a) y = 5x + 1. Find y when x = 6. **31**

b) y = 5x + 5. Find y when x = 8. **45**

c) Is (4, 22) on the line y = 3x + 10? **yes**

03 Look at the table.

x	0	1	2	3	4
y	2	7	12	17	22

a) What is the rate of change? **5**

b) What is y when x = 0? **2**

c) What is y when x = 6? **32**