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	1	2	3	4	5
y	14	23	32	41	50

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 = 6x + 6. Find y when x = 4.

b) Is (1, 12) on the line y = 9x + 3?

c) y = 8x + 13. Find x when y = 61.

03 Look at the table.

x	1	2	3	4	5
y	23	26	29	32	35

a) What is the rate of change?

b) What is y when x = 0?

c) What is y when x = 7?

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	1	2	3	4	5
y	14	23	32	41	50

a) What is the rate of change? **9**

b) What is y when x = 0? **5**

c) What is y when x = 6? **59**

02 Fill in each blank.

a) y = 6x + 6. Find y when x = 4. **30**

b) Is (1, 12) on the line y = 9x + 3? **yes**

c) y = 8x + 13. Find x when y = 61. **6**

03 Look at the table.

x	1	2	3	4	5
y	23	26	29	32	35

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

b) What is y when x = 0? **20**

c) What is y when x = 7? **41**