NEW BRUNSWICK NUMBER, RELATIONS AND FUNCTIONS 10 · UNIT D · 10 QUESTIONS

Relations and Functions: Linear Relations and Functions — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **For the linear relation y = 3x + 2 the value of y when x = 4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The range of a relation is the set of**

A. output values

B. input values

C. slopes

D. intercepts

Understand It with Pulse | Flag a mistake

3 **The slope intercept form of a line is**

A x equals m y + b

B y equals m + b

C m equals x + b

D y equals m x + b

Understand It with Pulse | Flag a mistake

4 **The slope of a horizontal line is**

A 1

B undefined

C -1

D 0

Understand It with Pulse | Flag a mistake

5 **The slope of a vertical line is**

A undefined

B 0

C 1

D -1

Understand It with Pulse | Flag a mistake

6 **The x intercept of a graph is where the graph crosses the**

A x axis

B y axis

C origin only

D vertex

Understand It with Pulse | Flag a mistake

7 **The y intercept of a graph is where the graph crosses the**

- A x axis
- B y axis
- C origin only
- D vertex

Understand It with Pulse | Flag a mistake

8 **Two lines are parallel when they have the same**

- A y intercept
- B slope
- C x intercept
- D length

Understand It with Pulse | Flag a mistake

9 **For the linear relation y = 2x + 4 the value of y when x = 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **For the linear relation y = 5x + 1 the value of y when x = 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 14
2. A
3. D
4. D
5. A
6. A
7. B
8. B
9. 14
10. 16

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