NOVA SCOTIA MATHEMATICS 11 · UNIT E

Relations and Functions — Practice Test

Nova Scotia Mathematics 11 • 25 questions

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 **If y = 2x, the value at x = 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A line has equation y = 2x + 3 . The value of y when x = 10 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A line has slope 2 and y intercept 3 . Its value at x = 0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A line passes through points (0, 2) and (4, 10). Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A line rises 6 units for a run of 3 units. Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **For f(x) = 5x + 0 , the value at x = 6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Solve for x. 2x plus 4 equals 14. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A vertical line test checks whether a graph is a**

- A Circle
- B Table
- C Function
- D Line only

Understand It with Pulse | Flag a mistake

9 **In a function, each input has exactly**

- A Two outputs
- B No output
- C Three outputs
- D One output

Understand It with Pulse | Flag a mistake

10 **The domain of a function is the set of**

- A Inputs
- B Slopes
- C Intercepts
- D Outputs

Understand It with Pulse | Flag a mistake

11 **The range of a function is the set of**

- A Slopes
- B Outputs
- C Domains
- D Inputs

Understand It with Pulse | Flag a mistake

12 **If y = 2x, the value at x = 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A line has equation y = 3x + 1 . The value of y when x = 7 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A line has slope 3 and y intercept 4 . Its value at x = 0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A line passes through points (1, 3) and (5, 11). Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A line rises 10 units for a run of 5 units. Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **For f(x) = 2x - 5 , the value at x = 3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **Solve for x. 3x plus 5 equals 20. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **If y = 2x, the value at x = 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A line has equation y = 4x + 5 . The value of y when x = 6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A line has slope 4 and y intercept 1 . Its value at x = 0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A line passes through points (0, 1) and (3, 7). Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A line rises 12 units for a run of 4 units. Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **For f(x) = 3x - 7 , the value at x = 2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **Solve for x. 4x plus 2 equals 18. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	4	**10.**	A	**19.**	10
2.	23	**11.**	B	**20.**	29
3.	3	**12.**	6	**21.**	1
4.	2	**13.**	22	**22.**	2
5.	2	**14.**	4	**23.**	3
6.	30	**15.**	2	**24.**	-1
7.	5	**16.**	2	**25.**	4
8.	C	**17.**	1		
9.	D	**18.**	5		

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