SASKATCHEWAN FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 · UNIT E · 25 QUESTIONS

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 **The domain of the relation {(1, -2), (2, -2), (0, 1)} is**

- A {-2, 1}
- B {0, 1, 2}
- C {5, 6, 7}
- D {0, 1}

Understand It with Pulse | Flag a mistake

2 **The equation of the line with slope 3 and y-intercept 8 is**

- A y = 8x + 3
- B y = -3x + 8
- C y = 3x + 8
- D y = 3x - 8

Understand It with Pulse | Flag a mistake

3 **The slope of the line through (3, 13) and (6, 22) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **If f(x) = 8x + 1, then f(6) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The slope of the line -2x + 5 is**

A 5

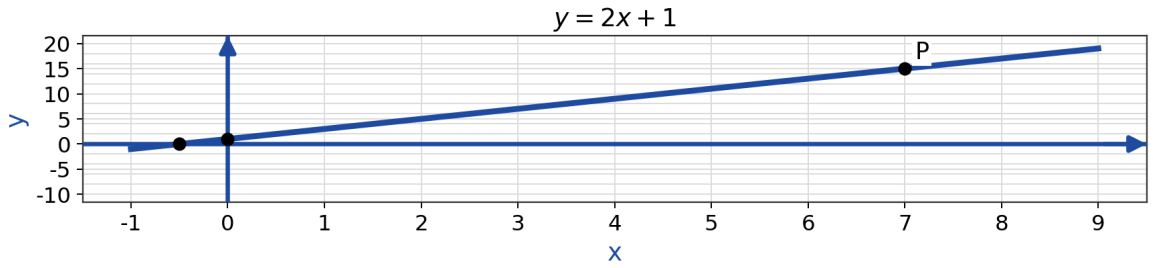
B -2

C 2

D -1/2

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6 **The graph shows a line . The value of y when x = 7 is**



ANSWER

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7 **The y-intercept of the line x - 3 is**

A -3

B 1

C 3

D 0

Understand It with Pulse | Flag a mistake

8 The domain of the relation {(0, 2), (-2, 0), (-1, -3)} is

- A {-3, 0, 2}
- B {3, 4, 5}
- C {-2, -1}
- D {-2, -1, 0}

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9 The equation of the line with slope 2 and y-intercept 6 is

- A y = 6x + 2
- B y = -2x + 6
- C y = 2x - 6
- D y = 2x + 6

Understand It with Pulse | Flag a mistake

10 **The slope of the line through (2, 11) and (5, 26) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **If f(x) = 3x + 3, then f(2) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The slope of the line 3x - 1 is**

A 3

B -1

C -3

D 1

Understand It with Pulse | Flag a mistake

13 **The domain of the relation {(3, 2), (1, -1), (0, -1)} is**

A {-1, 2}

B {5, 6, 8}

C {0, 1}

D {0, 1, 3}

Understand It with Pulse | Flag a mistake

14 **The equation of the line with slope 1 and y-intercept 2 is**

A $y = 2x + 1$

B $y = -x + 2$

C $y = x - 2$

D $y = x + 2$

Understand It with Pulse | Flag a mistake

15 **The slope of the line through (3, 13) and (5, 19) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **If f(x) = 3x + 1, then f(5) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The slope of the line 2x + 3 is**

A 3

B 2

C -2

D 1

Understand It with Pulse | Flag a mistake

18 The domain of the relation {(0, -2), (2, 3), (1, -2)} is

- A {0, 1, 2}
- B {-2, 3}
- C {5, 6, 7}
- D {0, 1}

Understand It with Pulse | Flag a mistake

19 The equation of the line with slope 1 and y-intercept 4 is

- A y = x + 4
- B y = 4x + 1
- C y = -x + 4
- D y = x - 4

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20 **The slope of the line through (0, 5) and (5, 15) is**

ANSWER _____

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21 **If f(x) = 2x + 5, then f(7) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The slope of the line 4x - 3 is**

A -3

B -4

C 4

D 1

Understand It with Pulse | Flag a mistake

23 The domain of the relation {(3, 3), (1, 0), (0, 5)} is

- A {0, 3, 5}
- B {0, 1, 3}
- C {5, 6, 8}
- D {0, 1}

Understand It with Pulse | Flag a mistake

24 The equation of the line with slope 4 and y-intercept 7 is

- A y = 7x + 4
- B y = -4x + 7
- C y = 4x + 7
- D y = 4x - 7

Understand It with Pulse | Flag a mistake

25 **The slope of the line through (2, 5) and (7, 15) is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. 3
4. 49
5. B
6. 15
7. A
8. D
9. D
10. 5
11. 9
12. A
13. D
14. D
15. 3
16. 16
17. B
18. A
19. A
20. 2
21. 19
22. C
23. B
24. C
25. 2

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