SASKATCHEWAN PRE-CALCULUS 20 · UNIT F

Systems of Equations and Inequalities — Practice Test

Saskatchewan Pre-Calculus 20 • 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 **Solve: 2x + y = 17 and x + y = 11. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The solution of the system x + y = 5 and x - y = 1 is**

A (3, 2)

B (2, 3)

C (4, 2)

D (3, 3)

Understand It with Pulse | Flag a mistake

3 The inequality $x^2 - 1 < 0$ has solution

- **A** $x < -1$
- **B** $-1 < x < 1$
- **C** $x > 1$
- **D** $-2 < x < 2$

Understand It with Pulse | Flag a mistake

4 The system $y = x^2$ and $y = 9$ has solutions with $x = \pm$

ANSWER _____

Understand It with Pulse | Flag a mistake

5 The system $y = 2x + 1$ and $y = 15$ is satisfied by x equals

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The solution set of x^2 is greater than 9 is**

A -3 is less than x is less than 3

B x is greater than 3

C x is less than -3 or x is greater than 3

D x is less than -3

Understand It with Pulse | Flag a mistake

7 **Solve: 2x + y = 8 and x + y = 5. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 The solution of the system $x + y = -3$ and $x - y = 1$ is

- A (-2, -1)
- B (0, -2)
- C (-1, -1)
- D (-1, -2)

Understand It with Pulse | Flag a mistake

9 The inequality $x^2 - 16 < 0$ has solution

- A $x < -4$
- B $-4 < x < 4$
- C $x > 4$
- D $-5 < x < 5$

Understand It with Pulse | Flag a mistake

10 **The system $y = x^2$ and $y = 25$ has solutions with $x = \pm$**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The system $y = 2x + 1$ and $y = 11$ is satisfied by x equals**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **Solve: $2x + y = 5$ and $x + y = 3$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The solution of the system x + y = -4 and x - y = 6 is**

A (1, -5)

B (-5, 1)

C (2, -5)

D (1, -4)

Understand It with Pulse | Flag a mistake

14 **The inequality $x^2 - 4 < 0$ has solution**

A $x < -2$

B $x > 2$

C $-3 < x < 3$

D $-2 < x < 2$

Understand It with Pulse | Flag a mistake

15 **The system $y = x^2$ and $y = 16$ has solutions with $x = \pm$**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **Solve: $2x + y = 9$ and $x + y = 7$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The solution of the system $x + y = 8$ and $x - y = 2$ is**

A (3, 5)

B (6, 3)

C (5, 3)

D (5, 4)

Understand It with Pulse | Flag a mistake

18 The inequality $x^2 - 25 < 0$ has solution

- **A** $-5 < x < 5$
- **B** $x < -5$
- **C** $x > 5$
- **D** $-6 < x < 6$

Understand It with Pulse | Flag a mistake

19 The system $y = x^2$ and $y = 4$ has solutions with $x = \pm$

ANSWER _____

Understand It with Pulse | Flag a mistake

20 Solve: $2x + y = 15$ and $x + y = 10$. The value of x is

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The solution of the system x + y = -5 and x - y = -5 is**

A (0, -5)

B (-5, 0)

C (-4, 0)

D (-5, 1)

Understand It with Pulse | Flag a mistake

22 **Solve: 2x + y = 10 and x + y = 7. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The solution of the system x + y = 1 and x - y = 5 is**

- **A** (-2, 3)
- **B** (4, -2)
- **C** (3, -2)
- **D** (3, -1)

Understand It with Pulse | Flag a mistake

24 **Solve: 2x + y = 13 and x + y = 9. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The solution of the system x + y = 5 and x - y = -3 is**

A (4, 1)

B (2, 4)

C (1, 5)

D (1, 4)

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.