NEW BRUNSWICK FOUNDATIONS OF MATHEMATICS 110 · UNIT C · 25 QUESTIONS

Systems of Linear Inequalities — 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 solution of the system x + y = 5 and x - y = 1 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The largest integer satisfying 2x plus 3 is less than 11 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The solution of the system x + y = 5 and x - y = 1 has y =**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A system of linear equations is solved by a point that satisfies**

A one equation only

B both equations

C neither equation

D the first equation only

Understand It with Pulse | Flag a mistake

5 **Parallel lines have the same slope and**

A one common point

B infinitely many common points

C no common point

D a common intercept only

Understand It with Pulse | Flag a mistake

6 **The boundary line of y is less than or equal to x plus 1 is drawn as a**

A dashed line

B curve

C point

D solid line

Understand It with Pulse | Flag a mistake

7 **The boundary line of y is less than x plus 1 is drawn as a**

A solid line

B curve

C dashed line

D point

Understand It with Pulse | Flag a mistake

8 **The feasible region of a system of inequalities is the region satisfying**

A one inequality only

B no inequality

C the first inequality only

D all the inequalities

Understand It with Pulse | Flag a mistake

9 **The point 2 comma 3 is substituted into the inequality y is greater than x. The resulting statement is**

A 3 is greater than 2

B 2 is greater than 3

C 2 + 3 equals 5

D 2 × 3 equals 6

Understand It with Pulse | Flag a mistake

10 **The solution of the system x + y = 6 and x - y = 4 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The largest integer satisfying 3x plus 2 is less than 14 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The solution of the system x + y = 6 and x - y = 4 has y =**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The solution of the system x + y = 7 and x - y = 1 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The largest integer satisfying 2x plus 5 is less than 15 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The solution of the system x + y = 7 and x - y = 1 has y =**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The solution of the system x + y = 8 and x - y = 4 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The largest integer satisfying 4x plus 1 is less than 13 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **The solution of the system x + y = 10 and x - y = 4 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **The largest integer satisfying 3x plus 5 is less than 20 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **The solution of the system x + y = 7 and x - y = -3 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The largest integer satisfying 2x plus 1 is less than 11 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The solution of the system x + y = 10 and x - y = 8 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The largest integer satisfying 5x plus 2 is less than 27 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The solution of the system x + y = 10 and x - y = -4 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The solution of the system x + y = 15 and x - y = 5 has x =**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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