Systems of Linear Equations — Practice Test

Prince Edward Island Foundations of Mathematics and Pre-Calculus 10 • 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 x + y = 5 and x - y = -1 . The value of x is**

ANSWER _____

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2 **Solve x + y = 5 and x - y = -1 . The value of y is**

ANSWER _____

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3 **In equation work, what is the main purpose or meaning of dependent system?**

A point shared by two graphs

B system with infinite solutions

C equation with degree one

D check a solution in each equation

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4 **In equation work, what is the main purpose or meaning of elimination?**

A system with at least one solution

B system with no solution

C system with infinite solutions

D adding equations to remove a variable

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5 **In equation work, what is the main purpose or meaning of inconsistent system?**

A system with infinite solutions

B point shared by two graphs

C equation with degree one

D system with no solution

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6 **In equation work, what is the main purpose or meaning of intersection point?**

A equation with degree one

B check a solution in each equation

C two or more equations together

D point shared by two graphs

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7 **In equation work, what is the main purpose or meaning of linear equation?**

A check a solution in each equation

B equation with degree one

C two or more equations together

D values satisfying all equations

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8 **In equation work, what is the main purpose or meaning of solution?**

A replacing a variable with an expression

B adding equations to remove a variable

C system with at least one solution

D values satisfying all equations

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9 **In equation work, what is the main purpose or meaning of substitution?**

A adding equations to remove a variable

B replacing a variable with an expression

C system with at least one solution

D system with no solution

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10 **In equation work, what is the main purpose or meaning of system?**

A values satisfying all equations

B two or more equations together

C replacing a variable with an expression

D adding equations to remove a variable

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11 **In equation work, what is the main purpose or meaning of verify?**

- A two or more equations together
- B values satisfying all equations
- C replacing a variable with an expression
- D check a solution in each equation

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12 **In equation work, which term matches this description: adding equations to remove a variable?**

- A consistent system
- B inconsistent system
- C elimination
- D dependent system

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13 **In equation work, which term matches this description: check a solution in each equation?**

- A system
- B solution
- C verify
- D substitution

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14 **In equation work, which term matches this description: equation with degree one?**

- A linear equation
- B verify
- C system
- D solution

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15 **In equation work, which term matches this description: point shared by two graphs?**

A linear equation

B verify

C intersection point

D system

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16 **In equation work, which term matches this description: replacing a variable with an expression?**

A substitution

B elimination

C consistent system

D inconsistent system

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17 **In equation work, which term matches this description: system with at least one solution?**

A consistent system

B inconsistent system

C dependent system

D intersection point

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18 **In equation work, which term matches this description: system with infinite solutions?**

A dependent system

B intersection point

C linear equation

D verify

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19 **In equation work, which term matches this description: system with no solution?**

A dependent system

B intersection point

C inconsistent system

D linear equation

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20 **In equation work, which term matches this description: two or more equations together?**

A system

B solution

C substitution

D elimination

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21 **In equation work, which term matches this description: values satisfying all equations?**

A substitution

B elimination

C solution

D consistent system

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22 **Solve x + y = 5 and x - y = 1 . The value of x is**

ANSWER _____

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23 **Solve x + y = 5 and x - y = 1 . The value of y is**

ANSWER _____

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24 **Solve x + y = 5 and x - y = -3 . The value of x is**

ANSWER

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25 **Solve x + y = 5 and x - y = -3 . The value of y is**

ANSWER

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ANSWER KEY

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

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