Manitoba Introduction to Applied and Pre-Calculus Mathematics 20S Practice Test

Unit F: Linear Systems

10 Questions

Original practice test based on the Manitoba curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

Evaluate $a\,x\,+\,b$ when $a\,=\,7$, $b\,=\,1$, *and* $x\,=\,5$. *The* result *is*

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Question 2

Two numbers add to 32 and subtract to 2. The larger number is

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Question 3

An arithmetic sequence starts at 9 and increases by 2 each term. Term 5 is

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Question 4

An arithmetic sequence starts at 3 and increases by 2 each term. Term 5 is

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Question 5

A line passes through $(3,\ 3)$ and $(7,\ 23)$. Its slope is

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Question 6

The value that makes an equation true is called the

A) coefficient

B) variable

C) solution

D) expression

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Question 7

In the expression 3x plus 5, the number 3 is the

A) constant

B) variable

C) solution

D) coefficient

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Question 8

In the expression 3x plus 5, the letter x is the

A) variable

B) coefficient

C) constant

D) term

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Question 9

A straight line graph has a slope that is

A) increasing

B) constant

C) zero always

D) undefined always

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Question 10

The slope of a horizontal line is

A) one

B) undefined

C) zero

D) negative

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ANSWER KEY

1. 36
2. 17
3. 17
4. 11
5. 5
6. C
7. D
8. A
9. B
10. C

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