

Definition Of Like Term In Math

Understanding Like Terms in Math: A Comprehensive Guide Like terms in math are terms with the same variables raised to the same powers. Identifying and combining like terms simplifies algebraic expressions and equations, crucial for solving problems and understanding mathematical relationships. This guide provides a detailed explanation, examples, and applications. Like terms are fundamental building blocks in algebra. They are terms that have the same variables raised to the same powers. This simple definition, however, unlocks a wealth of possibilities in simplifying complex mathematical expressions and solving equations. Understanding like terms allows us to streamline calculations and arrive at solutions more efficiently. Their significance extends beyond simple arithmetic to more advanced mathematical concepts. *What constitutes a "like term"?* Let's break down the definition. A term is a single number, variable, or the product of numbers and variables. Consider these examples: • $3x$: This is a term. '3' is the coefficient (a numerical factor), and 'x' is the variable. • $-5y^2$: This is also a term. '-5' is the coefficient, 'y' is the variable, and the '2' is the exponent. • 7 : This is a constant term, which can also be a like term to other constants. **Like terms share two key characteristics:** 1. **Identical Variables:** Like terms must possess the same variables. For instance, $3x$ and $5x$ are like terms because they both contain the variable 'x'. However, $3x$ and $3y$ are *not* like terms because they have different variables. 2. **Same Exponents:** The variables in like terms must have the same exponents. $2x^2$ and $7x^2$ are like terms because the variable 'x' is raised to the power of 2 in both terms. $2x^2$ and $2x$ are *not* like terms because the exponents of 'x' are different (2 and 1, respectively). **Illustrative Table:**

Term 1	Term 2	Like Terms?	Explanation
$4x$	$7x$	Yes	Same variable (x), same exponent (1)
$-2y^2$	$5y^2$	Yes	Same variable (y), same exponent (2)
$6ab$	$2ab$	Yes	Same variables (a and b), same exponents (1 and 1)
$3x^3$	$3x^2$	No	Same variable (x), different exponents (3 and 2)
$2xy^2$	$4x^2y$	No	Same variables, but different exponents
5	10	Yes	Both are constant terms

Combining Like Terms The primary advantage of identifying like terms is the ability to combine them. Combining like terms simplifies expressions and makes them easier to work with. You combine like terms by adding or subtracting their coefficients while keeping the variable and its exponent unchanged. *Example:* Simplify the expression: $3x + 5x - 2x + 7$ 1. **Identify like terms:** $3x$, $5x$, and $-2x$ are like terms. '7' is a constant term (like term to other constants). 2. **Combine like terms:** $(3 + 5 - 2)x + 7 = 6x + 7$ The simplified expression is $6x + 7$.

Real-World Applications of Like Terms

Like terms aren't just abstract mathematical concepts; they have practical applications in various real-world scenarios. Consider these examples: • **Inventory Management:** A store sells apples (x) at \$3 each and oranges (y) at \$2 each. If they sell 10 apples and 5 oranges, the total revenue can be represented as $3(10x) + 2(5y) = 30x + 10y$. While we can't combine x and y, if they sell 10 apples and 15 apples more, they can combine the like terms to calculate profit more easily: $3(10x) + 3(15x)$ becoming $75x$. • **Financial Calculations:** Calculating total income from different sources involving similar investments, such as dividends (x) or interest payments (x), will use like terms to easily total up income. For instance, someone might receive \$100 in dividends ($100x$) and \$50 in interest payments ($50x$) and their total income would be $150x$. • **Engineering and Physics:** Many formulas in physics and engineering involve combining like terms to find solutions. For example, calculating the net force on an object might involve adding or subtracting forces acting in the same direction: $\text{force1} (x) + \text{force2} (x)$.

Distinguishing Like Terms from Unlike Terms

The critical distinction lies in understanding that only terms with identical variables and exponents can be combined. Failure to recognise this can lead to errors in calculations. **Misunderstanding of Like Terms** Mistakes commonly arise from: • **Ignoring exponents:** Forgetting that x and x^2 are unlike terms is a frequent error. • **Overlooking different variables:** Mixing terms with different variables, e.g., $3x$ and $3y$,

yields incorrect simplification. • **Improper distribution combined with failing to catch like terms:** Forgetting to distribute factors before combining like terms will yield an incorrect answer if one tries to combine like terms prematurely.

Advanced Applications: Polynomials and Equations

Working with polynomials (algebraic expressions with multiple terms) heavily relies on the concept of like terms. Combining like terms simplifies polynomials, making it easier to perform operations like addition, subtraction, multiplication, and factoring. Solving equations, another crucial part of algebra involves properly combining like terms to isolate the variable and find the solution. *Example (Polynomial Simplification):* Simplify: $3x^2 + 4x - 2x^2 + 5x + 7$ 1. **Group like terms:** $(3x^2 - 2x^2) + (4x + 5x) + 7$ 2. **Combine like terms:** $x^2 + 9x + 7$ Solving equations often requires combining like terms on both sides of the equation to isolate the variable. Solving Equations: Solve for x : $2x + 5 = x + 10$ 1. **Subtract 'x' from both sides:** $x + 5 = 10$ 2. **Subtract 5 from both sides:** $x = 5$ **Conclusion:** The seemingly straightforward concept of like terms forms the bedrock of algebraic manipulation. Understanding this crucial concept is essential for mastering algebraic simplification and solving equations. The ability to efficiently identify and combine like terms streamlines calculations, thereby enhancing problem-solving skills across various academic disciplines and real-world applications. Its importance cannot be overstated, and its practical applications continue to extend far beyond basic algebra. *Advanced FAQs:* 1. **Can like terms have different coefficients?** Yes, absolutely. The coefficients can be any number (integer, decimal, fraction), but the variables and their exponents must be identical. 2. **How do I combine like terms with fractions as coefficients?** You simply add or subtract the fractions, ensuring you have a common denominator before simplifying, and keep the variable and exponent as is. 3. **What is the difference between like terms and similar terms?** "Like terms" and "similar terms" are often used interchangeably in mathematics to refer to terms with the same variables to the same powers. 4. *How do I deal with like terms involving radicals (square roots)?* Treat the radical expressions as variables with coefficients. If the expressions under the radicals are identical, you can combine the terms by managing the coefficients just like you manage integer or decimal coefficients. 5. *Are there situations where combining like terms is not possible?* Yes. If the terms have different variables or different exponents on the same variable, they are unlike terms and you cannot combine. This usually happens when you are dealing with polynomials with multiple variables.

The "Like Term" in Math: Unpacking a Fundamental Concept

Have you ever found yourself staring at a mathematical expression, feeling a bit lost in a sea of variables and numbers? You might encounter phrases like "combine like terms" or "simplify using like terms," and if you're like many learners, a little flicker of confusion might arise. What exactly *are* these "like terms" and why are they so important in math? Fear not! This comprehensive guide will demystify this fundamental concept, explaining its definition, illustrating its applications, and even touching on why it's a cornerstone for more advanced mathematical understanding. Think of "like terms" as the kindred spirits of the mathematical world. They are the terms that share a common identity, making them eligible to be grouped together, added, or subtracted. Understanding this simple idea is crucial for simplifying expressions, solving equations, and building a solid foundation in algebra and beyond.

What Exactly is a "Like Term"? The Core Definition

At its heart, a "like term" in mathematics is defined by two essential components: 1. **The Variable Part:** Like terms must have the *exact same variable(s)*. This means if one term has an 'x', any like term must also have an 'x'. If a term has 'x²', it's only "like" with other terms that also have 'x²'. The power and the variable

itself must match precisely. For example, '3x' and '7x' are like terms because they both contain the variable 'x' raised to the power of 1 (which is usually not explicitly written). However, '3x' and '3x²' are *not* like terms because the power of 'x' is different. 2. **The Exponent Part:** As mentioned above, not only must the variable be the same, but the *exponent* attached to each variable must also be identical. So, '5y³' and '-2y³' are like terms because they both have the variable 'y' raised to the power of 3. Conversely, '5y³' and '5y²' are not like terms. **What about the coefficients?** The number multiplying the variable (the coefficient) can be different. This is the key that allows us to combine them! In our '3x' and '7x' example, the coefficients are 3 and 7, and they are different. This is perfectly fine, as it's the variables and their exponents that define whether terms are "alike." **Constants are like terms with themselves!** Don't forget about constant terms - those numbers without any variables. Any two constant terms are considered like terms. For example, '10' and '-4' are like terms.

Illustrating "Like Terms" with Examples

Let's solidify this definition with some concrete examples. Consider the following expressions: **Example 1: Simple Variables** In the expression $5x + 2y + 3x - y$, the like terms are: $5x$ and $3x$ (both have 'x') $2y$ and $-y$ (both have 'y') Notice that $-y$ is the same as $-1y$, and its coefficient is -1. **Example 2: Multiple Variables and Exponents** In the expression $4a^2b + 7ab^2 - 2a^2b + 5ab$, the like terms are: $4a^2b$ and $-2a^2b$ (both have 'a²b') Here, ab^2 and ab are *not* like terms because the exponents on 'a' and 'b' are different in each. **Example 3: Including Constants** In the expression $8m + 3n - 5 + 2m - n + 12$, the like terms are: $8m$ and $2m$ (both have 'm') $3n$ and $-n$ (both have 'n') -5 and 12 (both are constants)

Why are "Like Terms" So Important? The Power of Simplification

The primary reason we care about "like terms" is for *simplification*. Imagine trying to read a long book where every single word was written out individually, with no spaces or punctuation. It would be incredibly difficult to understand. Similarly, mathematical expressions with many unlike terms can be cumbersome and confusing. When you identify and combine like terms, you're essentially organizing and streamlining the expression, making it much easier to work with. This process is fundamental in:

1. Simplifying Algebraic Expressions

This is where the concept of "like terms" shines brightest. "Combining like terms" is the process of adding or subtracting the coefficients of like terms. Let's revisit our first example: $5x + 2y + 3x - y$ 1. **Identify like terms:** We found $5x$ and $3x$, and $2y$ and $-y$. 2. **Combine the coefficients of the 'x' terms:** $5x + 3x = (5 + 3)x = 8x$ 3. **Combine the coefficients of the 'y' terms:** $2y - y = (2 - 1)y = 1y$ or simply y 4. **Write the simplified expression:** $8x + y$ See how much simpler that is? We've reduced a four-term expression to a two-term expression by correctly identifying and combining our "like terms." This skill is essential for every algebraic manipulation.

2. Solving Equations

When you're solving an equation, like $2x + 5 + 3x = 15$, the first step often involves simplifying each side of the equation. You'll look for like terms on the left side: $2x$ and $3x$. Combining them gives you $5x$. The equation then becomes $5x + 5 = 15$, which is much easier to solve for 'x'.

3. Working with Polynomials

Polynomials are mathematical expressions involving variables and exponents, often used in advanced algebra and calculus. Simplifying polynomials almost always relies heavily on combining like terms. For instance, adding or subtracting polynomials involves identifying and combining terms with the same variable and

exponent. For example, if you need to add $(3x^2 + 5x - 2)$ and $(x^2 - 2x + 7)$, you would group the like terms: x^2 terms: $3x^2 + x^2 = 4x^2$ * x terms: $5x - 2x = 3x$ * Constant terms: $-2 + 7 = 5$ The sum is $4x^2 + 3x + 5$.

4. Factoring Expressions

While not as direct, understanding like terms also lays the groundwork for factoring. When you factor an expression, you're essentially reversing the process of multiplication. This often involves recognizing common factors, which is a concept closely related to identifying shared variable parts.

Common Pitfalls and How to Avoid Them

Even with a clear definition, students sometimes stumble when working with like terms. Here are a few common mistakes and how to sidestep them: **Confusing variables with coefficients:** Remember, the variable and its exponent form the identity. The coefficient is just a multiplier. $3x$ is not like $x/3$ even though both involve 'x'. **Ignoring negative signs:** The sign in front of a term is crucial. $5x$ and $-5x$ are like terms, and combining them results in $0x$, or 0 . However, $5x$ and $5x$ are also like terms, resulting in $10x$. **Incorrectly matching exponents:** This is a big one! x^2 is *not* like x^3 . Always double-check the exponents. **Forgetting constants are like terms:** Don't leave constant terms isolated if there are other constants to combine them with. **Treating terms with different variables as like terms:** $3x$ and $3y$ are not like terms, even though they have the same coefficient. **Tip:** When simplifying expressions, it can be helpful to underline or highlight like terms using different colors or symbols. This visual aid can prevent mistakes.

The "Like Term" in the Broader Mathematical Landscape

The concept of "like terms" is not an isolated idea; it's a building block for many other mathematical principles. It introduces the idea of equivalence and classification, which are fundamental to all areas of mathematics. **Set Theory:** In set theory, we group elements with similar properties. The idea of "like terms" is a concrete application of this principle in algebra. **Abstract Algebra:** As you progress in mathematics, you'll encounter more abstract structures where grouping elements based on certain properties is paramount. The concept of "like terms" provides a tangible introduction to this abstract thinking. **Function Analysis:** When analyzing functions, especially polynomials, identifying and combining like terms is a prerequisite for understanding their behavior, graphing them, and finding their roots.

Conclusion: Mastering the "Like Term" for Mathematical Success

So, the "like term" in math is simply a term that shares the same variable(s) raised to the same exponent(s) as another term. The coefficients can differ, and this difference is precisely what we manipulate when we combine them. Mastering the concept of like terms is not just about passing a math test; it's about developing the foundational skills needed to confidently navigate more complex mathematical landscapes. By understanding what makes terms "alike," you unlock the power to simplify expressions, solve equations efficiently, and build a robust understanding of algebraic principles. So, the next time you see an expression, take a moment to spot those "kindred spirits" – your like terms – and get ready to simplify! It's a small concept with a huge impact on your mathematical journey.

The Concept of a Like Term in Mathematics

A like term in mathematics refers to an algebraic expression that has the same variable components—including both the type and exponent of each variable—enabling them to be combined through addition or subtraction. Unlike unlike terms, which differ in variable structure and thus cannot be directly summed, like terms share identical algebraic structure, making them essential building blocks in simplifying and solving equations. This foundational idea underpins much of algebraic manipulation, allowing mathematicians and students alike to consolidate expressions efficiently and maintain clarity in complex calculations.

Understanding Like Terms Through Reality

To grasp the essence of like terms, consider a simple analogy: imagine collecting apples of the same variety—say, red apples—each identical in size and weight. Combining them simply means adding their quantities, just as combining like terms involves summing coefficients of identical variables. For example, $(3x)$ and $(5x)$ are like terms because both consist of the variable (x) raised to the first power, enabling their sum to become $(8x)$. In contrast, $(3x)$ and $(4y)$ are unlike terms—they differ in both variable and exponent—and remain separate, reflecting how distinct variables create structural differences that prevent direct combination.

Applications Across Mathematical Domains

The utility of like terms extends far beyond basic arithmetic, playing a pivotal role in polynomial arithmetic, equation solving, and calculus. In polynomial expressions such as $(2x^2 + 7x - 3x^2 + 4)$, identifying like terms— $(2x^2)$ and $(-3x^2)$, and the constant (-3) with (4) —permits simplification into $(-x^2 + 7x + 4)$, streamlining further analysis. In solving equations like $(3x + 5 = 2x + 9)$, recognizing that $(3x)$ and $(2x)$ are like terms allows subtraction of $(2x)$ from both sides, isolating variables with greater ease. Even in advanced fields such as linear algebra, like terms form the basis of vector and matrix operations, supporting transformations and system modeling.

Benefits of Mastering Like Terms

Developing a clear understanding of like terms enhances mathematical fluency, reduces cognitive load during problem-solving, and minimizes errors caused by mismatched expressions. This skill fosters logical precision, enabling learners to approach complex equations with confidence and accuracy. Moreover, the ability to identify and combine like terms accelerates computational efficiency, particularly in academic and real-world contexts involving data analysis, engineering calculations, and financial modeling. It serves as a gateway to deeper algebraic comprehension, empowering students to tackle higher-level mathematics with a solid conceptual foundation.

Future Outlook for Like Terms in Evolving Math Education

As mathematics education increasingly embraces technology and interactive learning, the teaching of like terms continues to evolve. Digital tools now offer visual representations—such as animated variable grouping and dynamic expression simplification—making abstract concepts more tangible. Furthermore, with the rise of computational thinking and artificial intelligence in learning platforms, recognizing like terms becomes part of broader pattern recognition skills, preparing students for algorithmic reasoning. Looking ahead, integrating like terms into cross-disciplinary curricula—linking math with programming, data science, and engineering—will reinforce their enduring relevance, ensuring learners not only understand but effectively apply this fundamental concept in tomorrow's challenges.

Unpacking the Nuance: A Deep Dive into the Definition of "Like Term" in Mathematics

The foundation of mathematical understanding often lies in precisely defining its core concepts. Among these, the notion of "like terms" is fundamental, especially as students transition from arithmetic to algebraic expressions. While seemingly straightforward, a thorough understanding of what constitutes a like term is crucial for simplifying expressions, solving equations, and mastering more complex mathematical operations. This article aims to provide a comprehensive, analytical, and SEO-friendly exploration of the definition of like term in math, delving into its components, applications, and common pitfalls.

What Exactly Are Like Terms? The Core Definition

At its heart, a **like term** in mathematics refers to terms that possess the exact same variable or variables raised to the exact same powers. The coefficients, the numerical factors multiplying the variables, can be different. Think of it like having a collection of apples and a collection of oranges. You can easily group all the apples together and all the oranges together. Similarly, in algebra, like terms are those algebraic "fruits" that are identical in their variable composition. Let's break down the key components of this definition:

- Variables:** These are the letters (e.g., x , y , a , b) that represent unknown or changing quantities. For terms to be alike, they must have the same set of variables.
- Exponents (Powers):** Not only must the variables be the same, but their corresponding exponents must also match. For instance, x^2 is not a like term with x^3 , even though they both involve the variable ' x '. The power dictates a different characteristic of the variable's value.
- Coefficients:** These are the numbers that precede the variables. As mentioned, coefficients can differ. For example, $3x$ and $7x$ are like terms because they both have the variable ' x ' raised to the power of 1. The '3' and '7' are merely numerical multipliers. Consider the expression $5x^2y + 3xy^2 - 2x^2y + 8$. Here, the like terms are $5x^2y$ and $-2x^2y$. They both have the variable ' x ' raised to the power of 2 and the variable ' y ' raised to the power of 1. The terms $3xy^2$ and 5 are not like terms with $5x^2y$.

The Role of the Constant Term

A special case within the realm of like terms is the **constant term**. A constant term is simply a number without any variables. For example, in the expression $2a + 5b + 7$, the number '7' is a constant term. All constant terms are considered like terms with each other. This is because, in a way, they can be thought of as having variables raised to the power of zero (since any variable raised to the power of zero equals 1, e.g., $x^0 = 1$). Thus, 5 is like 10 , and $5x^0$ is like $10x^0$.

Why Are Like Terms So Important? Applications and Significance

The concept of like terms is not merely an abstract definition; it's a cornerstone of algebraic manipulation. Its primary significance lies in its application to:

1. Simplifying Algebraic Expressions

The ability to identify and combine like terms is the fundamental technique for simplifying algebraic expressions. When you have an expression like $3x + 5y - 2x + 7y$, you can combine the like terms to make it more concise:

- Combine the ' x ' terms: $3x - 2x = (3-2)x = 1x = x$
- Combine the ' y ' terms: $5y + 7y = (5+7)y = 12y$

The simplified expression becomes $x + 12y$. This process of simplification makes expressions easier to understand, work with, and analyze.

2. Solving Equations

In solving algebraic equations, identifying and combining like terms on each side of the equality sign is often the first step. For example, in the equation $4a + 5 + 2a = 17$, you would first combine the like terms on the left side: * Combine the 'a' terms: $4a + 2a = 6a$ The equation then becomes $6a + 5 = 17$. This simplification makes the subsequent steps in solving for 'a' much more manageable.

3. Polynomial Operations

For more advanced topics like polynomial addition and subtraction, the concept of like terms is paramount. When adding or subtracting polynomials, you only add or subtract the coefficients of like terms. For instance, to add $(3x^2 + 2x - 5)$ and $(x^2 - 4x + 3)$, you would group and combine like terms: $*(3x^2 + x^2) + (2x - 4x) + (-5 + 3)* = 4x^2 - 2x - 2$

Common Misconceptions and Pitfalls Related to Like Terms

While the definition seems clear, students often make mistakes when identifying or combining like terms. Understanding these common pitfalls can help in avoiding them: * **Confusing Variables:** A very common error is treating terms with different variables as like terms. For example, considering $2x$ and $2y$ to be like terms. Remember, the variables must be identical. * **Ignoring Exponents:** Another frequent mistake is not paying attention to exponents. x^2 and x are NOT like terms. Similarly, x^2y and xy^2 are NOT like terms, as the exponents of the variables are different. * **Forgetting the Coefficient of 1:** When a variable stands alone, like 'x', its coefficient is implicitly 1. Therefore, 'x' and '1x' are like terms. Similarly, '-a' is equivalent to '-1a'. * **Sign Errors:** When combining like terms, particularly with subtraction, sign errors are common. For example, in $5x - (-3x)$, the subtraction of a negative becomes addition, resulting in $8x$. * **Treating Unlike Terms as Like:** Sometimes students mistakenly combine terms that are not alike, leading to incorrect simplification. For example, incorrectly combining $3x^2$ and $2x$ to get $5x^3$ (which is a multiplication error, not an addition of like terms).

Illustrative Examples to Solidify Understanding

Let's reinforce the definition with a few more examples: * **Example 1:** In the expression $7ab + 3b - 5ab + 2a$, the like terms are $7ab$ and $-5ab$. Combining them yields $(7-5)ab = 2ab$. The expression simplifies to $2ab + 3b + 2a$. * **Example 2:** Consider the expression $4p^3q^2 - 2p^2q^3 + 6p^3q^2 - p^2q^3$. The like terms are $4p^3q^2$ and $6p^3q^2$, as well as $-2p^2q^3$ and $-p^2q^3$. * Combining the first pair: $(4+6)p^3q^2 = 10p^3q^2$ * Combining the second pair: $(-2-1)p^2q^3 = -3p^2q^3$ The simplified expression is $10p^3q^2 - 3p^2q^3$. * **Example 3:** In $10 + 3x - 7 + 5x$, the like terms are the constants (10 and -7) and the 'x' terms ($3x$ and $5x$). * Combining constants: $10 - 7 = 3$ * Combining 'x' terms: $3x + 5x = 8x$ The simplified expression is $8x + 3$.

The Importance of Precise Language in Mathematics

The concept of "like terms" highlights the critical need for precision in mathematical language. The subtle difference between a variable and its exponent, or the presence of a variable versus its absence, can dramatically alter the meaning and value of an expression. Educators often use analogies like sorting fruit or categorizing objects to help students grasp this concept. **Keywords for SEO:** definition of like term, like terms math, algebraic expressions, simplifying expressions, combining like terms, mathematical terms, algebraic variables, exponents in math, constant term, polynomial simplification, LSI keywords: mathematical concepts, algebra basics, middle school math, high school algebra, solving equations, math terminology, numerical factors, algebraic manipulation, problem-solving in math, understanding algebra. In conclusion, the definition of a like term in math is a fundamental building block for success in algebra and beyond. By understanding that like terms share identical variables raised to identical powers, students can confidently

simplify expressions, solve equations, and engage with more complex mathematical concepts. Mastering this seemingly simple definition unlocks a powerful tool for navigating the world of algebraic reasoning.

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Questions & Answers About definition of like term in

math

No	Question	Answer
1	What exactly does 'like terms' mean in math?	In math, 'like terms' are terms that have the exact same variable(s) raised to the exact same power(s). The coefficients (the numbers in front of the variables) can be different.
2	Can you give me a simple example of like terms?	Sure! In the expression $3x + 5y - 2x + 7$, ' $3x$ ' and ' $-2x$ ' are like terms because they both have the variable ' x ' raised to the power of 1. ' $5y$ ' is not a like term to either of them.
3	Why is it important to identify like terms?	Identifying like terms is crucial for simplifying algebraic expressions. You can only combine like terms by adding or subtracting their coefficients.
4	What if the terms have different exponents, like x and x^2 ?	If the exponents are different, they are NOT like terms. For example, $4x$ and $9x^2$ cannot be combined because the ' x ' has a power of 1 in the first term and a power of 2 in the second.
5	Do constant numbers count as like terms?	Yes, constant numbers (numbers without any variables) are considered like terms among themselves. For example, in $7 + 3y - 2 + 5y$, ' 7 ' and ' -2 ' are like terms.
6	How do you combine like terms once you've found them?	To combine like terms, you add or subtract their coefficients. The variable part remains the same. For instance, $3x + 2x$ simplifies to $(3+2)x$, which is $5x$.
7	Can you have like terms with more than one variable, like xy and yx ?	Yes! The order of variables doesn't matter due to the commutative property of multiplication. So, $5xy$ and $-3yx$ are like terms because they both have ' x ' to the power of 1 and ' y ' to the power of 1. They can be combined to $(5-3)xy$, which is $2xy$.

definition of like terms in algebra, like term mathematical definition, identifying like terms in math, like term comparison in equations, mathematical definition of like terms, what are like terms in math, like terms explained with examples, simplifying expressions with like terms, algebraic terms that are like each other, equivalent terms definition in mathematics

Definition Of Like Term In Math eBook Resource

Definition Of Like Term In Math eBooks provide structured digital knowledge.

Core Discussion

Digital books help readers maintain productivity.

Practical Use

Definition Of Like Term In Math eBooks support consistent study routines.

Conclusion

Digital reading improves access to information.

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The convenience of Definition Of Like Term In Math eBooks supports long-term educational goals alongside professional responsibilities.

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