

Simplifying Algebraic Expressions: Identifying Simplified Expressions



What does it mean by simplifying algebraic expressions?

Key Word

Simplify:

Make an expression shorter by combining like terms

Simplifying algebraic expressions means combining like terms to make the expression simpler.



Example

Key Step: Make an expression shorter by combining like terms

Expression: $3x + 2x$

Simplified Form: $5x$

Why? Like terms $3x$ and $2x$ are combined.



Let's Practice

Match each expression with its simplified form:

	Expressions	Simplified Form
(1)	$3x + 4x$	$10y$
(2)	$4b + b$	$8m$
(3)	$7y + 3y$	$5b$
(4)	$5m + 3m$	$9p$
(5)	$8p + p$	$7x$



Tip

Only like terms can be combined (same letters and powers)