

ALGEBRA

MONOMIALS :

One Algebraic expression that can be simplified down to one term.

ex: $8x^2$

All one thing

ex: We have 8 watermelons

or
 $5x + 2x$

We have 5 watermelons and 2 watermelons.

→ That means we have 7 watermelons.

BINOMIALS :

↓
Two.

Algebraic expressions that can be simplified down to two terms

ex: $4x + 2y$

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one two.

ex: We have 4 watermelons
and 2 cantaloupes

ex: $4x + 3y + 2x$

$6x + 3y$

TRINOMIAL :

Same thing but with three terms.

ex: $2x + 3y + 4z$

or

$$4x + 3y + 10$$

or

$$2x^2 + 3x + 4y$$

* Be careful:

you cannot add x
and x^2 together

because they're different.

COMBINING LIKE TERMS

→ We can use $+$, $-$, \times or \div to simplify our algebraic expressions and then we always need to combine "like terms" which means you count up all the things that you have of each type.

ex: a: students
b: desks
c: chairs

$$2a + 7b + 7c + 5a + 6b + 5c$$

$$7a + 13b + 12c$$

