



Combining Like Terms

GUIDED NOTES

IMPORTANT VOCABULARY:

- **Like Terms:** Terms that have the same **variable** raised to the same **power**
- **Coefficient:** The numerical **factor** of a term that contains a variable

COMBINING LIKE TERMS

1. A variable with no coefficient has a coefficient of **one**.
2. Terms take the **operation** symbol directly to the left of the coefficient.
3. **Constants** are like terms
4. Highlight the like terms in the same color:

$$5x + 20 + 3x^2 + 2x - x^2 - 9$$

5. To simplify an expression, **add** or **subtract** the coefficients of like terms.

GUIDED PRACTICE

Simplify the expression: $y + y + y + y + x$ $4y + x$	Simplify the expression: $3x + 2y - x + 7y$ $2x + 9y$
Simplify the expression: $5 + 8x^2 + 2x^2 - 3x$ $10x^2 - 3x + 5$	Simplify the expression: $2z + 4x + z + 9$ $4x - 3z + 9$



Combining Like Terms

VOCABULARY

