

Algebraic Term

...a **number**, a **variable**, or the product of a **number** and one or more **variables**

The **number** in front of the **variables** is called the **coefficient**

$$2x$$

$$-5yz$$

$$abc^3$$

$$-15$$

Algebraic Term

...a **number**, a **variable**, or the product of a **number** and one or more **variables**

$$4x^2 + 3xy - 5x^2 + 4y^2 - 8$$

$$4x^2 \quad + \quad 3xy \quad - \quad 5x^2 \quad + \quad 4y^2 \quad - \quad 8$$

Algebraic Like Terms

...algebraic terms that have the same product of variables

$$4x^2 \quad \text{and} \quad -2x^2 \qquad -ab \quad \text{and} \quad 6ab$$

Algebraic Like Terms

...algebraic terms that have the same product of variables

$$-6mn^2 \quad \text{and} \quad 4mn^2 \qquad 6 \quad \text{and} \quad -8$$

Combining Like Terms
Simplifying like terms to one term

$$5x^2 + 4x^2$$

Combining Like Terms
Simplifying like terms to one term

$$3ab + 5ab$$

Combining Like Terms

Simplifying like terms to one term by combining **coefficients** of like terms using the distributive property

$$-4wx + 6wx$$

$$6m^2 - 9m^2$$

$$-t - 5t$$

$$-5xy^2 + 12xy^2$$

Combining Like Terms

Simplifying like terms to one term by combining **coefficients** of like terms using the distributive property

$$-4x^2 + 6xy + 8xy - 5x^2$$

$$5ab^2 - 6ab - 8ab^2 - 5ab$$