

## Like Terms

are **terms** that are formed with the **same variables**.

For example:

$4x \text{ and } 2x$

$-3a \text{ and } 8a$

$2mn \text{ and } 7mn$

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are **terms** that are formed with the **same variables**.

For example:

$2y \text{ and } 2x$

$-3x^2 \text{ and } 8x$

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are **terms** that are formed with the **same variables**.

Simplify the following expressions.

$$3x + 2y + 4y - 7x$$

$$2a^2 - 5a + 8a^2 - 2a$$

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Simplify the following expressions.

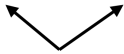
$$3m + 2mn + 4m - 7n$$

$$x^2 - 5x + 8$$

## Like Terms

are **terms** that are formed with the **same variables**.

$4x$  and  $2x$



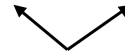
both use same variable,  $x$

$-3a$  and  $8a$



both use same variable,  $a$

$2mn$  and  $7mn$



both use same variable,  $mn$

$2y$  and  $2x$



not like terms

$y$  and  $x$

$-3x^2$  and  $8x$



not like terms

$x^2$  and  $x$