

**Distributive
Property**

**Identify Parts
of an
Expression**

**Simplify
Algebraic
Expressions**

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**Simplify
Algebraic
Expressions**

Distributive Property

$$a(b + c) =$$

$$a(b - c) =$$

$$\textcircled{1} \quad 2(x + 3) =$$

$$\textcircled{2} \quad (2n - 6)3 =$$

$$\textcircled{3} \quad (m - 5)4m =$$

$$\textcircled{4} \quad -(4 - y) =$$

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Identify Parts of an Expression

$$-x + 2x + 8$$

$$\textcircled{5} \quad -7y + 8 + 6y - 13$$

Term(s):

Like Term(s):

Coefficient(s):

Constant(s):

Identify Parts of an Expression

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Simplify Algebraic Expressions

To simplify an algebraic expression, _____

_____.

$$\textcircled{6} \quad 6r + 2(r + 4) =$$

$$\textcircled{7} \quad 3(2 - c) - c =$$

$$\textcircled{8} \quad 4(n + 9) - 3(2 + n) =$$

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Distributive Property

$$a(b + c) = ab + ac$$

$$a(b - c) = ab - ac$$

$$\textcircled{1} \quad 2(x + 3) = 2x + 6$$

$$\textcircled{2} \quad (2n - 6)3 = 6n - 18$$

$$\textcircled{3} \quad (m - 5)4m = 4m^2 - 20m$$

$$\textcircled{4} \quad -(4 - y) = -4 + y$$

Distributive Property

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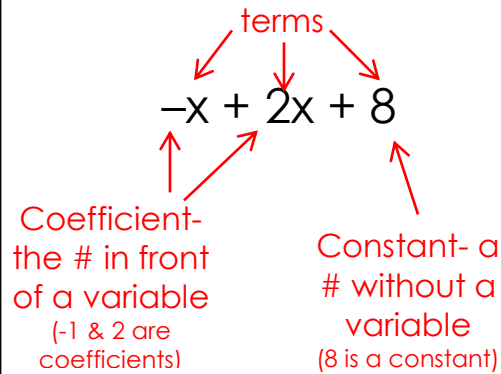
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Identify Parts of an Expression



$$\textcircled{5} \quad -7y + 8 + 6y - 13$$

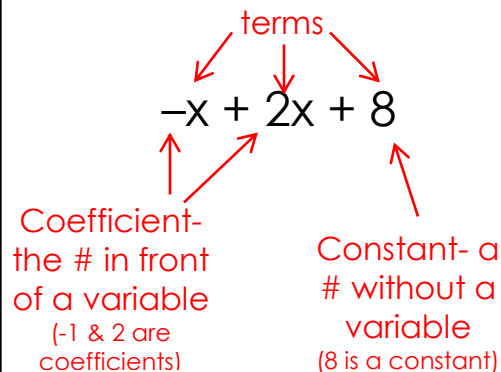
Term(s): $-7y, 8, 6y, -13$

Like Term(s): $-7y$ and $6y$
 8 and -13

Coefficient(s): $-7, 6$

Constant(s): $8, -13$

Identify Parts of an Expression



$$\textcircled{5} \quad -7y + 8 + 6y - 13$$

Term(s): $-7y, 8, 6y, -13$

Like Term(s): $-7y$ and $6y$
 8 and -13

Coefficient(s): $-7, 6$

Constant(s): $8, -13$

Simplify Algebraic Expressions

To simplify an algebraic expression, distribute

then combine like terms.

$$\textcircled{6} \quad 6r + 2(r + 4) =$$

$$6r + 2r + 8$$

$$8r + 8$$

$$\textcircled{7} \quad 3(2 - c) - c =$$

$$6 - 3c - c$$

$$6 - 4c$$

$$\textcircled{8} \quad 4(n + 9) - 3(2 + n) =$$

$$4n + 36 - 6 - 3n$$

$$n + 30$$

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