

**The Distributive Property**

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

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

Ex.  $3(x + 4) = 3x + 12$        $(x - 2)5 = 5x - 10$

Aug 24-7:26 AM

What is the simplest form of each expression?

<p>A. <math>3(x + 8)</math></p> <p style="text-align: center;"><math>3x + 24</math></p>	<p>B. <math>(5b - 4)(-7)</math></p> <p style="text-align: center;"><math>-35b + 28</math></p>	<p>C. <math>5(x + 7)</math></p> <p style="text-align: center;"><math>5x + 35</math></p>
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Aug 24-7:36 AM

What is the simplest form of each expression?

<p>D. <math>\frac{3}{12}(3 - \frac{1}{6}t)</math></p> <p style="text-align: center;"><math>3t - 2t</math></p>	<p>E. <math>(0.4 + 1.1c)3</math></p> <p style="text-align: center;"><math>1.2 + 3.3c</math></p>	<p>F. <math>(2y - 1)(-y)</math></p> <p style="text-align: center;"><math>-2y^2 + y</math></p>
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Aug 24-7:36 AM

Simplify

<p>A. <math>\frac{4x - 16}{4}</math></p> <p style="text-align: center;"><math>\frac{4x}{4} - \frac{16}{4}</math></p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><math>x - 4</math></p>	<p>B. <math>\frac{15 + 6x}{12}</math></p> <p style="text-align: center;"><math>\frac{15 \div 3}{12 \div 3} + \frac{6 \div 6}{12 \div 6}x</math></p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><math>\frac{5}{4} + \frac{1}{2}x</math></p>
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Aug 24-7:40 AM

Simplify

<p>C. <math>\frac{4 - 2x}{8}</math></p> <p style="text-align: center;"><math>\frac{4 \div 4}{8 \div 4} - \frac{2 \div 2}{8 \div 2}x</math></p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><math>\frac{1}{2} - \frac{1}{4}x</math></p>	<p>D. <math>\frac{11 + 3x}{6}</math></p> <p style="text-align: center;"><math>\frac{11}{6} + \frac{3 \div 3}{6 \div 3}x</math></p> <p style="text-align: center; border: 1px solid black; padding: 2px;"><math>\frac{11}{6} + \frac{1}{2}x</math></p>
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Aug 24-7:40 AM

What is the simplified form:

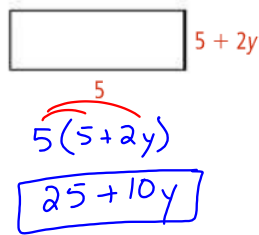
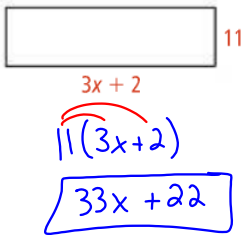
<p>A. <math>-(x + 6)</math></p> <p style="text-align: center;"><math>-x - 6</math></p>	<p>B. <math>-(a + 3)</math></p> <p style="text-align: center;"><math>-a - 3</math></p>
<p>C. <math>-(-x + 12)</math></p> <p style="text-align: center;"><math>x - 12</math></p>	<p>D. <math>-(4x - 12y)</math></p> <p style="text-align: center;"><math>-4x + 12y</math></p>

Aug 24-7:57 AM

**Geometry**

Write an expression for the **area** of each rectangle.

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Jan 10-11:42 AM

**LIKE TERMS** - terms in an expression that have the same variable raised to the same power

ex.  $2x, 5x$       $6y^2, y^2$

An expression is **simplified** if it has **no parenthesis** and if **all the like terms** have been **combined**.

Nov 27-9:22 AM

Simplify the expressions below:

$2x + 6x$   
 $(2+6)x$   
 $8x$

$6d - 5d + 11$   
 $d + 11$

$-3k^2 + 9k^2 + 5k^2$   
 $11k^2$

$4xy - 12y + 3xy - 4$   
 $7xy - 12y - 4$

Aug 30-8:00 AM

Simplify the expressions below:

$9h - 4(2h - 1)$   
 $9h - 8h + 4$   
 $h + 4$

$-(f + 2) - 2(1 - z)$   
 $-f - 2 - 2 + 2z$   
 $-f - 4 + 2z$

Jan 17-3:30 PM

$7(d + 3) + 4(2d - 3)$   
 $7d + 21 + 8d - 12$   
 $15d + 9$

$-3(x - 2) + 2(3x + 5)$   
 $-3x + 6 + 6x + 10$   
 $3x + 16$

Jan 13-11:50 AM

**Classwork: worksheet #1 - 52**

**Final Five**

- Simplify
- $-2ab + ab + 9ab - 3ab$
  - $3(-4cd - 5)$

Aug 26-1:32 PM