

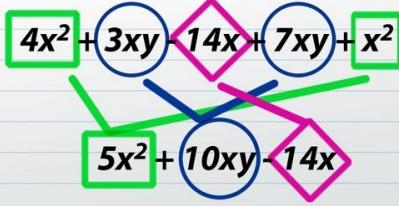

Unit 3 Vocabulary

Academic Vocabulary

<p>Simplify- To reduce something to its lowest terms</p>	<p>Simplify: $9x + 3y + 4x + 2y$</p> <p>$9x + 3y + 4x + 2y$</p> <p>Highlight the like terms. Since I have two sets of like terms, I used two different colors.</p> <p>$9x + 4x + 3y + 2y$</p> <p>Rewrite like terms side by side.</p> <p>$13x + 5y$</p> <p>Combine like terms. (Add or subtract the coefficients of the like terms.)</p>
<p>Combine- To put together</p>	<p style="text-align: center;">Collect like terms</p> <p style="text-align: center;"><u>$4a$</u> + <u>5</u> + <u>$2a$</u> - <u>3</u></p> <p style="text-align: center;">= $6a + 2$</p>

Content Vocabulary

<p>Terms- A single number or variable. Terms are separated by addition and subtraction.</p>	<p style="text-align: center;"><i>Expression</i></p> <p style="text-align: center;"><u>$4x - 7 = 5$</u></p> <p style="text-align: center;">Terms</p>
<p>Distributive Property- You can multiply a sum by multiplying each part separately and then adding them together at the end. (Think of Menu Math).</p>	<p style="text-align: center;">Distributive Approach</p> <p>$5(6 + 2) = 5 \cdot 6 + 5 \cdot 2$</p> <p style="text-align: center;">$= 30 + 10$</p> <p style="text-align: center;">$= 40$</p> <p>$(4)(7 + 2 + 3) = 4 \cdot 7 + 4 \cdot 2 + 4 \cdot 3$</p> <p style="text-align: center;">$= 28 + 8 + 12$</p> <p style="text-align: center;">$= 48$</p>

<p>Like terms- Terms whose variables and exponents of the variables are the same.</p>	<p>LESSON SUMMARY</p>  <p>©Study.com</p>
<p>Expression- A math sentence with at least one operation, WITHOUT an equal sign. We SIMPLIFY expressions.</p>	<p>Examples: $2x + 3y + 6$ $5n$ $a - b$</p>
<p>Equation- A math sentence WITH an equal sign. We SOLVE equations.</p>	<p>$y + 7 - 7 = 10 - 7$ subtract 7 from both sides $y + 0 = 3$ (the inverse of adding 7) $y = 3$ Solution</p> <p>To solve an addition equation, use the inverse operation, or subtraction. Subtract the same number from both sides of the equation.</p>
<p>Algebraic - Referring to something with an unknown/variable. I.e: algebraic expression is an expression with an unknown.</p>	<p>PRACTICE PROBLEMS</p> <p>$x^2 + 2 + 6x^2 + 3$ $x^2 + 6x^2 + 5$ $7x^2 + 5$</p>  <p>©Study.com</p>
<p>Coefficient- The number in front of a variable.</p> <p>Variable- The unknown. Usually represented by a letter.</p>	<p>Algebraic Expressions</p> 