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| **Class** | Algebra 2 | **Topic** | U1 – Algebraic expressions | **Lesson** | 2 | **Of** | 6 |

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| **Objective** | Students will:   * **Apply the properties of real numbers to simplify algebraic expressions.** * Produce an equivalent form of an expression. * **Interpret a word problem into an algebraic expression.** |
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| **“I Can” Statement** | • I can rewrite an algebraic expression in a simplified way. |

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| **Common Core Standards** | [CCSS.Math.Content.HSA.SSE.A.1](http://www.corestandards.org/Math/Content/HSA/SSE/A/1/)  Interpret expressions that represent a quantity in terms of its context.  [CCSS.Math.Content.HSA.SSE.A.2](http://www.corestandards.org/Math/Content/HSA/SSE/A/2/)  Use the structure of an expression to identify ways to rewrite it. *For example, see x4 - y4 as (x2)2 - (y2)2, thus recognizing it as a difference of squares that can be factored as (x2 - y2)(x2 + y2)*. |
|  | [CCSS.Math.Content.HSA.SSE.B.3](http://www.corestandards.org/Math/Content/HSA/SSE/B/3/)  Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression. |

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| **Bell Work** | Solve a quick quiz to refresh the concepts learnt in the properties of real numbers lessons. |

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| **Procedures** | 1. Start and lead student discussion related to the bell work.  2. Distribute the Guided Notes  3. Present lesson or play a video lesson.  4. Distribute Lesson Assignment.  5. Have students check each other’s work. |

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| **Assessment** | Assignment 1-2  How to interpret a word problem into an algebraic expression?  How to rewrite an algebraic expression in a simplified form? |

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| **Additional Resources** | [Regents Prep online quiz](http://www.regentsprep.org/regents/math/algebra/MultipleChoiceReview/VariableExpressions.htm) |