

# Math DesCartes: Algebra, Functions, and Mathematical Models

## Skills: Algebraic Symbolism

Students:	DesCartes Skills: <small>(Highlight the skills related to your chosen standard/concept)</small>
	<b>RIT 251-260:</b> <ul style="list-style-type: none"> <li>• Uses expressions to represent situations that involve variable quantities with exponents</li> <li>• Uses expressions with absolute value to represent situations</li> </ul>
	<b>RIT 241-250:</b> <ul style="list-style-type: none"> <li>• Uses expressions to represent situations that involve variable quantities with exponents</li> <li>• Determines the expression for the area of a figure represented by algebra tiles</li> <li>• Uses equations to represent situations involving variable quantities</li> <li>• Describes the relationship or a real-world situation represented by a simple equation or inequality (e.g., 1- or 2-step)</li> <li>• Describes a relationship or a real-world situation represented by a complex equation or inequality (e.g., variables on both sides)</li> </ul>
	<b>RIT 231-240:</b> <ul style="list-style-type: none"> <li>• Represents relationships of quantities in the form of an expression</li> <li>• Uses expressions to represent situations that involve variable quantities with exponents</li> <li>• Expresses a simple inequality from a contextual situation</li> <li>• Expresses a simple equation from a contextual situation</li> <li>• Describes the relationship or a real-world situation represented by a simple equation or inequality (e.g., 1- or 2-step)</li> </ul>
	<b>RIT 221-230:</b> <ul style="list-style-type: none"> <li>• Describes and uses a variable in a contextual situation</li> <li>• Represents relationships of quantities in the form of an expression</li> <li>• Expresses a simple equation from a contextual situation</li> <li>• Describes the relationship or a real-world situation represented by a simple equation or inequality (e.g., 1- or 2-step)</li> </ul>
	<b>RIT 211-220:</b> <ul style="list-style-type: none"> <li>• Uses simple equations and inequalities to represent problem situations</li> </ul>
	<b>RIT 201-210:</b> <ul style="list-style-type: none"> <li>• Uses simple equations and inequalities to represent problem situations</li> <li>• Describes a realistic situation using information given in an equation</li> <li>• Solves simple open sentences with missing equality or inequality symbols</li> </ul>

### Lesson Title:

### Standard/Concept for All:

### For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

### For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

### For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

### Closure/Summary for All: