

# Math DesCartes: Estimation and Accurate Computations

## Skills: Roots, Exponents, and Logarithms

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>• Simplifies rational expressions with exponents</li> </ul>
	<b>RIT 241-250:</b> <ul style="list-style-type: none"> <li>• Estimates the square roots of numbers</li> <li>• Simplifies rational expressions with exponents</li> </ul>
	<b>RIT 231-240:</b> <ul style="list-style-type: none"> <li>• Calculates the power of a number (e.g., <math>8 = 2^3</math>)</li> <li>• Calculates the positive square root of a perfect square</li> <li>• Calculates with exponents and roots (e.g., <math>3^2 \times 2^3</math>)</li> </ul>
	<b>RIT 221-230:</b> <ul style="list-style-type: none"> <li>• Solves problems involving ratios</li> <li>• Solves 1-step problems involving proportions</li> <li>• Calculates basic percents of a number (e.g., 10%, 20%, 25%, 50%, 100%)</li> <li>• Calculates a percent of a number (e.g. 6% of 30)</li> <li>• Calculates a number from a percent (e.g., 4 is 9% of what)</li> <li>• Adds and subtracts percent</li> <li>• Solves problems involving percents</li> <li>• Solves problems involving tax and tips</li> <li>• Solves problems involving simple interest rates with the formula</li> <li>• Solves problems comparing percents, fractions, and decimals</li> </ul>
	<b>RIT 211-220:</b> <ul style="list-style-type: none"> <li>• Calculates the value of a power (e.g., <math>2^3 = 8</math>)</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:**