

## Standard 6.B Review

F-FB.B.5 F-LE.A.4	I can solve problems involving exponential and logarithmic equations
<b>Advanced</b>	Solve complicated exponential and logarithmic equations algebraically without a calculator
	Solve exponential and logarithmic inequalities
<b>Proficient</b>	<b>I can solve problems involving exponential and logarithmic equations</b>
	Solve exponential and logarithmic equations algebraically
	Solve real life problems, such as compound interest problems, using the natural base e
<b>Emerging</b>	Solve simple exponential and logarithmic equations that involve cancelling the same thing from each side
	Rewrite logarithmic equations into exponential form and vice versa
<b>Novice</b>	Partial success at emerging skills

Practice it:

<p>Option #1: Paper Practice</p> <ul style="list-style-type: none"> <li>• <a href="#">6.B Review by I Can</a></li> <li>• <a href="#">Answer Key</a></li> </ul> <p>Process for completing work:</p> <ol style="list-style-type: none"> <li>1. Try a problem out, show your work</li> <li>2. Check your answer using the answer key</li> <li>3. If the answer is correct, move onto the next problem. If the answer is incorrect, look back through your work to try to find your mistake. Fix your work until you get the correct answer.</li> <li>4. If you can't figure out a problem, circle it and ask about it in class the next day.</li> </ol> <p>No paper worksheets should be turned in until all answers (and work) are finished and corrected.</p>	<p>Option #2: 6.A / 6.B Scavenger Hunt</p> <ul style="list-style-type: none"> <li>• <a href="#">Student Handout</a></li> <li>• <a href="#">Scavenger Hunt</a></li> <li>• <a href="#">Answer Key</a></li> </ul> <p>Process for completing work:</p> <ol style="list-style-type: none"> <li>1. Try a problem out, show your work</li> <li>2. Check your answer using the answer key</li> <li>3. If the answer is correct, move onto the next problem. If the answer is incorrect, look back through your work to try to find your mistake. Fix your work until you get the correct answer.</li> <li>4. If you can't figure out a problem, circle it and ask about it in class the next day.</li> </ol> <p>No paper worksheets should be turned in until all answers (and work) are finished and corrected.</p>
<p>Option #3: Review Games</p> <ul style="list-style-type: none"> <li>• <a href="#">6.B Kahoot</a></li> <li>• <a href="#">6.B Quizizz</a></li> <li>• <a href="#">6.B Review Jeopardy</a></li> </ul>	<p>Option #4: IXL Practice</p> <ul style="list-style-type: none"> <li>• <a href="#">Solve exponential equations by rewriting the base</a></li> <li>• <a href="#">Solve exponential equations using common logarithms</a></li> <li>• <a href="#">Solve exponential equations using natural logarithms</a></li> <li>• <a href="#">Solve logarithmic equations I</a></li> <li>• <a href="#">Solve logarithmic equations II</a></li> <li>• <a href="#">Compound interest: word problems</a></li> <li>• <a href="#">Continuously compounded interest: word problems</a></li> </ul>

Quiz Yourself (Optional):

[6.B Day Four Assessment](#)

## 6.B Advanced

### Learning Objectives:

- Solve exponential and logarithmic inequalities
- Solve complicated exponential and logarithmic equations algebraically without a calculator

Learn it:

Option #1: Videos <ul style="list-style-type: none"><li>• <a href="#">Solving Exponential Inequalities</a> (7:42)</li><li>• <a href="#">Solving Logarithmic Inequalities</a> (14:42)</li><li>• <a href="#">Logarithmic Inequalities</a> (6:40)</li></ul>	Option #2: Slides #110 - 123 <ul style="list-style-type: none"><li>• <a href="#">Slideshow</a></li></ul>
--	--

Practice it:

Option #1: Paper Practice for solving inequalities <ul style="list-style-type: none"><li>• <a href="#">6.B Advanced Practice</a><ul style="list-style-type: none"><li>◦ <a href="#">Key</a></li></ul></li></ul>	Option #2: Paper Practice for both <ul style="list-style-type: none"><li>• <a href="#">6.B Advanced Options</a><ul style="list-style-type: none"><li>◦ <a href="#">Key</a></li></ul></li></ul>
---	--