

AGENDAS FOR THE WEEK: *Jan 26th – Jan 30th*

	<b>MONDAY (A)</b> 10:44 – 11:40	<b>TUESDAY (B)</b> 10:44 – 11:40	<b>WEDNESDAY (A)</b> 10:44 – 11:40	<b>THURSDAY (B)</b> 10:44 – 11:40	<b>FRIDAY (C)</b> 9:51 – 10:31
	<p><b>Objective(s):</b> Students will be able to solve logarithmic equations using the properties of logarithms and check for extraneous solutions.</p> <p><b>Work Day</b></p>	<p><b>Objective(s):</b> Students will be able to understand the definition of natural log, apply all the properties of log to natural log expressions, and solve the equations with natural logs.</p>	<p><b>Objective(s):</b> Students will be able to understand the definition of natural log, apply all the properties of log to natural log expressions, and solve the equations with natural logs.</p>	<p><b>Objective(s):</b> Students will be able to understand the definition of natural log, apply all the properties of log to natural log expressions, and solve the equations with natural logs.</p> <p><b>Work Day</b></p>	<p><b>Objective(s):</b></p> <p><b>Review Day</b></p>
<b>P</b>	<p><b>Engage</b></p>	<p><b>Engage:</b></p> <p>Students will work on the warm up which contains solving two log equations.</p>	<p><b>Engage</b></p> <p>Students will work on the warm up which contains interchanging natural log forms and exponential forms.</p>	<p><b>Engage</b></p>	<p><b>Engage</b></p>

<p style="text-align: center; font-size: 48pt; font-weight: bold;">L</p> <p style="text-align: center; font-size: 48pt; font-weight: bold;">A</p>	<p><b>Explore</b></p> <p><b>Explain</b></p> <p><b>Elaborate</b></p>	<p><b>Explore</b></p> <p>Students will try to find the number, <math>e</math>, through the compound interest formula. The goal is that the number, <math>e</math>, exists for a reason, which makes the natural log special.</p> <p><b>Explain</b></p> <p>After the exploration, the teacher will introduce the natural log, stressing that what is so special about the natural log is just about the base.</p> <p><b>Elaborate</b></p> <p>The teacher will go through how to interchange natural log forms and exponential forms.</p>	<p><b>Explore</b></p> <p>Students will try to condense or expand natural log forms on their own. They will make mistakes, but they will try to apply log properties on their own.</p> <p><b>Explain</b></p> <p>The teacher will stress that natural log is not a “new thing”. It is only a special log which follows the rules of all logs. Then the teacher will go over the sample questions.</p> <p><b>Elaborate</b></p> <p>Students will then use the properties to solve natural log equations. The teacher will go over some sample questions</p>	<p><b>Explore</b></p> <p><b>Explain</b></p> <p><b>Elaborate</b></p>	<p><b>Explore</b></p> <p><b>Explain</b></p> <p><b>Elaborate</b></p>
<p style="text-align: center; font-size: 48pt; font-weight: bold;">N</p>	<p><b>Evaluate and Summary</b></p>	<p><b>Evaluate and Summary</b></p> <p>They will be an exit ticket to check their understanding.</p>	<p><b>Evaluate and Summary</b></p> <p>There will be a work day tomorrow.</p>	<p><b>Evaluate and Summary</b></p>	<p><b>Evaluate and Summary</b></p>
<p><b>Resources:</b></p>	<p><a href="#">W 6.4Log_Equations_...</a></p>	<p><a href="#">W Section 6.5 Natural Log a...</a></p>	<p><a href="#">W Section 6.5 Natural Log a...</a></p>		