

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

	MONDAY (A) 10:44 – 11:40	TUESDAY (B) 10:44 – 11:40	WEDNESDAY (A) 10:44 – 11:40	THURSDAY (B) 10:44 – 11:40	FRIDAY (C) 9:51 – 10:31
	<p>Objective(s): Students will be able to solve logarithmic equations using the properties of logarithms and check for extraneous solutions.</p> <p>Work Day</p>	<p>Objective(s): Students will be able to solve logarithmic equations using the properties of logarithms and check for extraneous solutions.</p> <p>Work Day</p>	<p>Objective(s): 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>Objective(s): 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>Objective(s): 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>Work Day</p>
P	<p>Engage</p> <p>Students will work on the the warm up which has two questions about changing log form to exponential form and condensing log equations</p>	<p>Engage:</p>	<p>Engage</p> <p>Students will work on the warm up which contains solving two log equations.</p>	<p>Engage</p> <p>Students will work on the warm up which contains interchanging natural log forms and exponential forms.</p>	<p>Engage</p>

<p>L</p> <p>A</p>	<p>Explore</p> <p>Students will learn the one on one property and how to rewrite the log equation into an exponential equation to solve the unknown.</p> <p>Explain</p> <p>After introducing the methods, the teacher will go through 3 sample questions for both methods so that they can understand better.</p> <p>Elaborate</p> <p>The teacher will go through one more question which can be solved but not a real solution to remind students to always check the validity of the answer.</p>	<p>Explore</p> <p>Explain</p> <p>Elaborate</p>	<p>Explore</p> <p>Students will try to find the number, e, through the compound interest formula. The goal is that the number, e, exists for a reason, which makes the natural log special.</p> <p>Explain</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>Elaborate</p> <p>The teacher will go through how to interchange natural log forms and exponential forms.</p>	<p>Explore</p> <p>Students will try to condense or expand natural log firms on their own. They will make mistakes, but they will try to apply log properties on their own.</p> <p>Explain</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>Elaborate</p> <p>Students will then use the properties to solve natural log equations. The teacher will go over some sample questions.</p>	<p>Explore</p> <p>Explain</p> <p>Elaborate</p>
<p>N</p>	<p>Evaluate and Summary</p> <p>It is a work day tomorrow, and students will be assessed by the worksheet.</p>	<p>Evaluate and Summary</p>	<p>Evaluate and Summary</p> <p>They will be an exit ticket to check their understanding.</p>	<p>Evaluate and Summary</p> <p>They will be an exit ticket to check their understanding.</p>	<p>Evaluate and Summary</p> <p>There would be a work day on the following Monday.</p>
<p>Resources:</p>	<p>W Section 6.4 log equa...</p>	<p>W 6.4Log_Equations_Questi...</p>	<p>W Section 6.5 Natural Log a...</p>	<p>W Section 6.5 Natural L...</p>	