

Day	Text Ref.	Topics	Homework	Done ✓
1	1.1 pg. 4	<ul style="list-style-type: none"> <li>Reviewing the Exponent Laws (There are 7 laws...can you remember them?)</li> </ul>	Pg. 9 #2-9 (every other one for each questions) <b>#11, 12a</b>	
2	1.2 pg. 11	<ul style="list-style-type: none"> <li>Rational Exponents</li> </ul>	Pg. 16 #1-5 (every other one for each questions), 6agm <b>#10, 11a</b> U4D2 Worksheet Extra Practice	
3	1.3 pg. 19	<ul style="list-style-type: none"> <li>Solving Exponential Equations</li> </ul>	Pg. 23 #1-6 (every other one for each questions), 9abe, 10abf	
4		<p><b>QUIZ: (1.1, 1.2, 1.3)</b></p> <ul style="list-style-type: none"> <li>Exploring Properties of Exponential Functions – Investigation – Comparing <math>y = 2^x</math>, <math>y = 3^x</math>, <math>y = 0.5^x</math> with <math>y = x</math> and <math>y = x^2</math></li> </ul>	Booklet day 1 <b>#1-4, 5,6</b>	
5		<ul style="list-style-type: none"> <li>Summarize Key Concepts from Investigation</li> <li>Writing Exponential Functions with Different Bases</li> <li>Given a Graph or Properties, Determine the Equation of an Exponential Function.</li> </ul>	Booklet day 2 <b>#1-7, 8,9</b>	
6		<ul style="list-style-type: none"> <li>Transformations of Exponential Functions (Translations and Reflections)</li> </ul>	Booklet day 3 <b># 1-3</b>	
7		<ul style="list-style-type: none"> <li>Transformations of Exponential Functions (stretches, compressions, combinations)</li> </ul>	Booklet day 4 <b># 1-6</b>	
8	1.3 pg. 19	<ul style="list-style-type: none"> <li>More Solving Exponential Equations</li> <li>Half-Life &amp; Applications</li> </ul>	Booklet – Growth Worksheet # 1 – 4; Decay Worksheet # 1 - 4 Pg. 24 #13, 14, 16, 19, 20a	
9		<ul style="list-style-type: none"> <li>Review</li> </ul>	Pg. 85 -86 # 1-8, 9abcf, 10abdf, 12 Pg. 90-91 #1-3, 5, 6abc, 12 Booklet - day 7 #1-5 Booklet - Growth Worksheet (#5 – 8) Decay Worksheet (#5 – 7)	
10		<b>TEST</b>		

Learning Goals: This unit we will...

- Simplify expressions containing integer and rational exponents
- Evaluate expressions containing integer and rational exponents
- Solve exponential equations by trial and error
- Write equations of exponential functions
- Graph transformations of exponential functions
- Apply exponential functions to real-life situations

**PLEASE NOTE!**

If you are absent for the quiz you must write it at lunch, the first day back at school whether or not you have a Math class that day. Otherwise a mark of “0” will be assigned. Please talk to your Math teacher if you have any concerns.