

WAYNE LOCAL SCHOOLS PRECALCULUS PACING GUIDE QUARTER 2

UNIT	STANDARDS	LESSON DAYS	TEXTBOOK CORRELATION
3	<p>F.BF.5 (+) Understand the inverse relationship between exponents and logarithms and use this relationship to solve problems involving logarithms and exponents.</p> <p>F.LE.4 For exponential models, express as a logarithm the solution to $ab^{ct} = d$ where a, c, and d are numbers and the base b is 2, 10, or e; evaluate the logarithm using technology.</p> <p>F-IF.7e. Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude.</p>	40	Chapter 3 Blitzer
UNIT: 3 EXPONENTIAL AND LOGARITHMIC FUNCTIONS			
<p>MATHEMATICAL PRACTICES</p> <div style="background-color: #e0e0e0; padding: 10px; margin-left: 20px;"> <p>Mathematical Practices</p> <ol style="list-style-type: none"> 1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning. </div>			

I CAN STATEMENTS:

- I can evaluate, analyze, and graph exponential functions.
- I can solve problems involving exponential growth and decay.
- I can evaluate expressions involving logarithms.
- I can sketch and analyze graphs of logarithmic functions.
- I can apply properties of logarithms.
- I can evaluate logarithms.
- I can use properties of exponential functions to solve equations.
- I can use properties of logarithmic functions to solve equations.
- I can graph logarithmic functions.
- I can graph exponential functions.
- I can solve real world problems involving logarithmic and exponential data models.