

# UNIT 11- LESSON PLANS

**Class** Algebra 1    **Topic** U11 - Graphing Rational Functions    **Lesson** 7    **Of** 7

<b>Objective</b>	<p>Students will:</p> <ul style="list-style-type: none"> <li>• Compute functional values of a rational function for a given value in the domain;</li> <li>• Define and illustrate the basic terms connected with the Cartesian coordinate system; and</li> <li>• sketch the graph of a rational functions</li> </ul> <p><b>“I Can” Statement</b>    I can compute for the functional values given the domain and sketch the graph of a rational function through Cartesian coordinate system.</p>
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<b>Common Core Standards</b>	<p><a href="#">CCSS.MATH.CONTENT.HSA.APR.D.7</a>            (+) Understand that rational expressions form a system analogous to the rational numbers, closed under addition, subtraction, multiplication, and division by a nonzero rational expression; add, subtract, multiply, and divide rational expressions.</p> <p><a href="#">CCSS.Math.Content.HSF.BF.B.3</a>            Identify the effect on the graph of replacing <math>f(x)</math> by <math>f(x) + k</math>, <math>k f(x)</math>, <math>f(kx)</math>, and <math>f(x + k)</math> for specific values of <math>k</math> (both positive and negative); find the value of <math>k</math> given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them.</p>
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**Bell Work**    See Bell Work 11 - 7

<b>Procedures</b>	<ol style="list-style-type: none"> <li>1. Start and lead student discussion related to the bell work.</li> <li>2. Distribute the Guided Notes</li> <li>3. Present lesson or play a video lesson.</li> <li>4. Use an Online Activity if time permitted.</li> <li>5. Distribute Lesson Assignment.</li> </ol>
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**Assessment**    Bell Work 11- 7  
 Assignment 11- 7  
 Exit Quiz 11 - 7

**Additional Resources**    See Online Activities