

Name: REX		Grading Quarter: 3	Week Beginning: 1/6/2025
School Year: 24-25		Subject: Algebra 2 H	
Monday	Notes:	No School	
Tuesday	Notes:	<p>Objective: Students will be able to perform operations on functions.</p> <p>Lesson Overview: Notes – How to add, subtract, multiply, and divide functions. What types of functions are created when we perform these operations? Explore using Desmos.</p>	<p>Academic Standards: F.BF.1 Build a function that models a relationship between two quantities. Combine standard function types using arithmetic operations.</p>
Wednesday	Notes:	<p>Objective: Students will be able to compose functions.</p> <p>Lesson Overview: <i>This is a continuation of previous day's lesson.</i> Focus on composition of functions – notation, explicitly with functions, and with ordered pairs.</p>	<p>Academic Standards: F.BF.1 Build a function that models a relationship between two quantities. Combine standard function types using arithmetic operations.</p>
Thursday	Notes:	<p>Objective: Students will be able to find inverse functions.</p> <p>Lesson Overview: Notes – inverses are reflections over <math>y=x</math>. Find inverses by switching <math>x</math> and <math>y</math> and solving for <math>y</math>. Use Desmos to illustrate the reflections.</p>	<p>Academic Standards: F.IF.4 Interpret functions that arise in applications in terms of the context. For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. F.BF.4 Find inverse functions. Solve an equation of the form <math>f(x) = c</math> for a simple function <math>f</math> that has an inverse and write an expression for the inverse.</p>

Friday	Notes:	<p>Objective: Students will be able to find inverse functions.</p> <p>Lesson Overview: <i>This is a continuation of previous day's lesson.</i> Focus on domain restrictions.</p>	<p>Academic Standards:</p> <p>F.IF.5 Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.</p> <p>F.BF.4 Find inverse functions. Solve an equation of the form <math>f(x) = c</math> for a simple function <math>f</math> that has an inverse and write an expression for the inverse.</p>
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