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Resource ID#: 122889

Primary Type: Video/Audio/Animation

Direct Link: <http://whyu.net/media/download/Algebra%2016%20-%20Real%20-%20Valued%20Functions%20of%20a%20Real%20Variable%20-%20small.mp4>

Real-Valued Functions of a Real Variable

Although the domain and codomain of functions can consist of any type of objects, the most common functions encountered in Algebra are real-valued functions of a real variable, whose domain and codomain are the set of real numbers, \mathbb{R} .

General Information

Subject(s): Mathematics

Grade Level(s): 9, 10, 11, 12

Intended Audience: [Educators](#), [Students](#)

Instructional Time: 9 Minute(s)

Keywords: Domain;, Range;, Dependent variable;, Independent variable;, Function;, Real variable;

Instructional Component Type(s): [Video/Audio/Animation](#)

Resource Collection: Secondary Math specific existing tutorials

Suggested Technology: Computer for Presenter, Computers for Students, Internet Connection, Interactive Whiteboard

Source and Access Information

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District/Organization of Contributor(s): Florida State University

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Aligned Standards

Name	Description
MAFS.912.F-IF.1.1:	Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. If f is a function and x is an element of its domain, then $f(x)$ denotes the output of f corresponding to the input x . The graph of f is the graph of the equation $y = f(x)$.