High School Algebra Playlist: Using Function Notation

Aligns with CCSS.Math.Content.HSF.IF.A.2: Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context.

Related Standards

- CCSS.Math.Content.HSF.IF.A.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 $y = f(x)$.

Objectives

In this module, you will learn and practice the following skills:

- understand and use function notation

- write a function from a description of a situation

Let's get started!

Key Terms

- A **function** is a relation which has each input related to exactly one output.

- **Function notation** describes a function using its name and the independent variables.

- The **domain** of a function is the set of input values.

Connections

- https://openstaxcollege.org/textbooks/algebra-and-trigonometry; section 3.1

- https://openstaxcollege.org/textbooks/algebra-and-trigonometry; section 3.2