

Algebra 1 - Unit 8: Math - Functions

Content Area: **Mathematics**
Course(s): **Math 6, Generic Course**
Time Period: **Generic Time Period**
Length: **#12 days**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

MA.F-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 $y = f(x)$.
MA.F-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.
MA.F-IF.A.3	Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers.
MA.F-IF.B.5	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.
MA.F-IF.C.9	Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions).

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How can functions be evaluated?
- What is a function?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- A function is a relation where each element of the domain corresponds with exactly one element in the range.
- Functions can be evaluated by using a table of values

Content

Students will be able to:

- Identify if a relation is a function.
- Identify a functions domain and range.
- Evaluate functions.

Vocabulary:

- Relation
- Mapping
- Function
- Domain
- Range
- Composite
- Input
- Output
- Vertical line test

Assessments

Resources

- Pearson textbook and online resources
- Teacher made flip-charts
- Web-based activities (mathplayground.com) (coolmath.com)
- Teacher made worksheets/assessments
- NJCTL.org (PMI math)
- Pizzazz series of worksheets