

Why?

Essential Questions

1. How are functions and relations useful?
2. How are patterns of change represented in functions?

Enduring Understanding

Functions and their representations are used to model and analyze real-world applications and quantitative relationships.

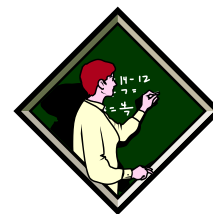
Expectation

Analyze a wide variety of patterns and functional relationships using the language of mathematics and appropriate technology.

MCPS Indicators and Standards

What?

- 1.1.1 recognize, describe, and/or extend patterns and functional relationships that are expressed numerically, algebraically and/or geometrically.
 - 1.1.1.a determine whether a relation that is expressed numerically or graphically is a function
- 1.1.2 represent patterns and/or functional relationships in a table, as a graph, and/or by mathematical expression.

**Algebra**