Lap 2 Functions and Linear Functions

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Overview & Rational

In this LAP, we will learn about the difference between functions and relations, domain and range, operations with functions, linear functions and slope, and forms of linear equations.

**Essential Question**

What is a function and how does it help us in math?

**Open Lab & Enrichment Due 10/2**

**Enrichment:** Function Machine Equations

**Lap Summative Assessment is in the testing center on the following dates: Wednesday, 10/3 – Monday, 10/8**

| Date | Lesson | Homework |
| --- | --- | --- |
| Friday9/7F | **2.1 Introduction to Functions**SWBAT find domain & range of a relation, determine whether a relation is a function, and evaluate a function | www.mathxlforschool.com |
| Monday9/10G | **2.1 Introduction to Functions**SWBAT find domain & range of a relation, determine whether a relation is a function, and evaluate a function | www.mathxlforschool.com |
| Tuesday9/11H | **2.2 Graphs of Functions**SWBAT graph functions, use the vertical line test, obtain information about a function from a graph, and identify domain and range from a graph | www.mathxlforschool.com |
| Wednesday9/12J | **2.2 Graphs of Functions**SWBAT graph functions, use the vertical line test, obtain information about a function from a graph, and identify domain and range from a graph | www.mathxlforschool.com |
| Tuesday9/18A | **Quiz Over 2.1 & 2.2 In Class**(Reminder you must have 70% on 2.1 & 2.2 on mathxl)**2.3 The Algebra of Functions**SWBAT find domain of a function, and use algebra to combine functions and determine range | www.mathxlforschool.com |
| Friday9/21D | **2.3 The Algebra of Functions**SWBAT find domain of a function, and use algebra to combine functions and determine range | www.mathxlforschool.com |
| Tuesday9/25F | **2.4 Linear Functions and Slope**SWBAT use intercepts to graph, compute slope, graph linear equations, and interpret slope | www.mathxlforschool.com |
| Wednesday9/26G | **2.4 Linear Functions and Slope**SWBAT use intercepts to graph, compute slope, graph linear equations, and interpret slope | www.mathxlforschool.com |
| Thursday9/27H | **2.4 Linear Functions and Slope**SWBAT use intercepts to graph, compute slope, graph linear equations, and interpret slope | www.mathxlforschool.com |
| Friday9/28J | **2.5 The Point-Slope Form of the Equation of a Line**SWBAT use point-slope to write equations, model data with linear functions, and find slopes and equations of parallel and perpendicular lines | www.mathxlforschool.com |
| Tuesday10/2 A | **Review Day** |  |