

Exploring Families of Functions, Transformations, and Inverses

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Teacher Page & Resources

Citations

Part 1 What are Functions?

Part 3 Function Operations & Inverses

Lesson 1
- Defining Functions
Domain & Range
- Continuous vs. Discrete

Lesson 3
- Evaluating functions from graphs
- Identifying characteristics from graphs

Lesson 2
- Evaluating functions from equations
- Using function notation

Assignments and Practice Resources

Assessment Review:
Quiz 1

Lesson 1
Exploring Parent Functions using graphing calculators and Desmos

Lesson 2
Comparing & contrasting families of functions

Lesson 3
Exploring transformations of functions using Desmos

Lesson 4
Summarize & formalize transformation rules

Part 2 Parent Functions & Transformations

Lesson 7
Graphing transformations from graphs

Lesson 6
Graphing transformations from equations

Lesson 5
Applying transformations

Assignments and Practice Resources

Assessment Review:
Test 1

Lesson 1
Evaluating function operations from equations

Lesson 2
Evaluating function operations from graphs

Lesson 3
Dividing Functions & Domain Restrictions

Lesson 4
Compositions of Functions

Lesson 8
Verifying Inverses

Lesson 7
Finding Inverse Functions

Lesson 6
Determining if functions have inverses

Lesson 5
Discovering Inverse functions using graphing calculators

Assignments and Practice Resources

Assessment Review:
Test 2