Learning Targets

## Learning Targets

### Transformations of Functions

### Lesson 1: Matching up to Data

* I can describe how a graph is transformed.

### Lesson 2: Moving Functions

* I can use function notation to represent a vertical or horizontal translation from one graph to another.

### Lesson 3: More Movement

* I can write equations to represent vertical and horizontal translations of graphs.
* I understand the relationship between graphs and equations describing horizontal translations.

### Lesson 4: Reflecting Functions

* I can reflect a graph across either the $x$- or $y$-axis.

### Lesson 5: Some Functions Have Symmetry

* I can identify even and odd functions by their graphs.

### Lesson 6: Symmetry in Equations

* I can complete graphs of even and odd functions if I know what half the graph looks like.
* I can identify even and odd functions by their equations.

### Lesson 7: Expressing Transformations of Functions Algebraically

* I can write an equation from a description of how a graph is transformed.

### Lesson 8: Scaling the Outputs

* I can calculate the scale factor needed to transform the output of a function to model data.

### Lesson 9: Scaling the Inputs

* I can describe the effect of a scale factor on the input of a function.
* I understand the differences between scaling the outputs and scaling the inputs of a function.

### Lesson 10: Combining Functions

* I can combine two functions in different ways.

### Lesson 11: Making a Model for Data

* I can transform a function so its graph models a data set.



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