

# Rotation 1: Introduction to Functions

Content Area: **Mathematics**  
Course(s):  
Time Period: **Default**  
Length: **Rotation 1**  
Status: **Published**

## Summary

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Determine whether or not graphs, tables, or rules represent functions.

## Standards

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MA.8.F.A.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

## Materials

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### *Desmos Grade 8 Unit 5*

#### **Lesson 1: Turtle Crossing Making Sense of Graphs**

- I can make connections between scenarios and the graphs that represent them.

#### **Lesson 2: Guess My Rule Introduction to Functions**

- I can write rules when I know input-output pairs.
- I know that a function is a rule with exactly one output for each allowable input.
- I can identify rules that do and do not represent functions.

#### **Lesson 3: Function or Not? Graphs of Functions and Non-Functions**

- I can explain why a graph does or does not represent a function.
- I can use precise language to describe functions (e.g., “is a function of” or “determines”).

#### **Lesson 4: Window Frames Functions and Equations**

- I can represent a function with an equation.
- I can name the independent and dependent variables for a function.

## **Assessment**

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- Observation
- Cool Downs
- Quizzes