

# Function Notation



# Preliminaries and Objectives

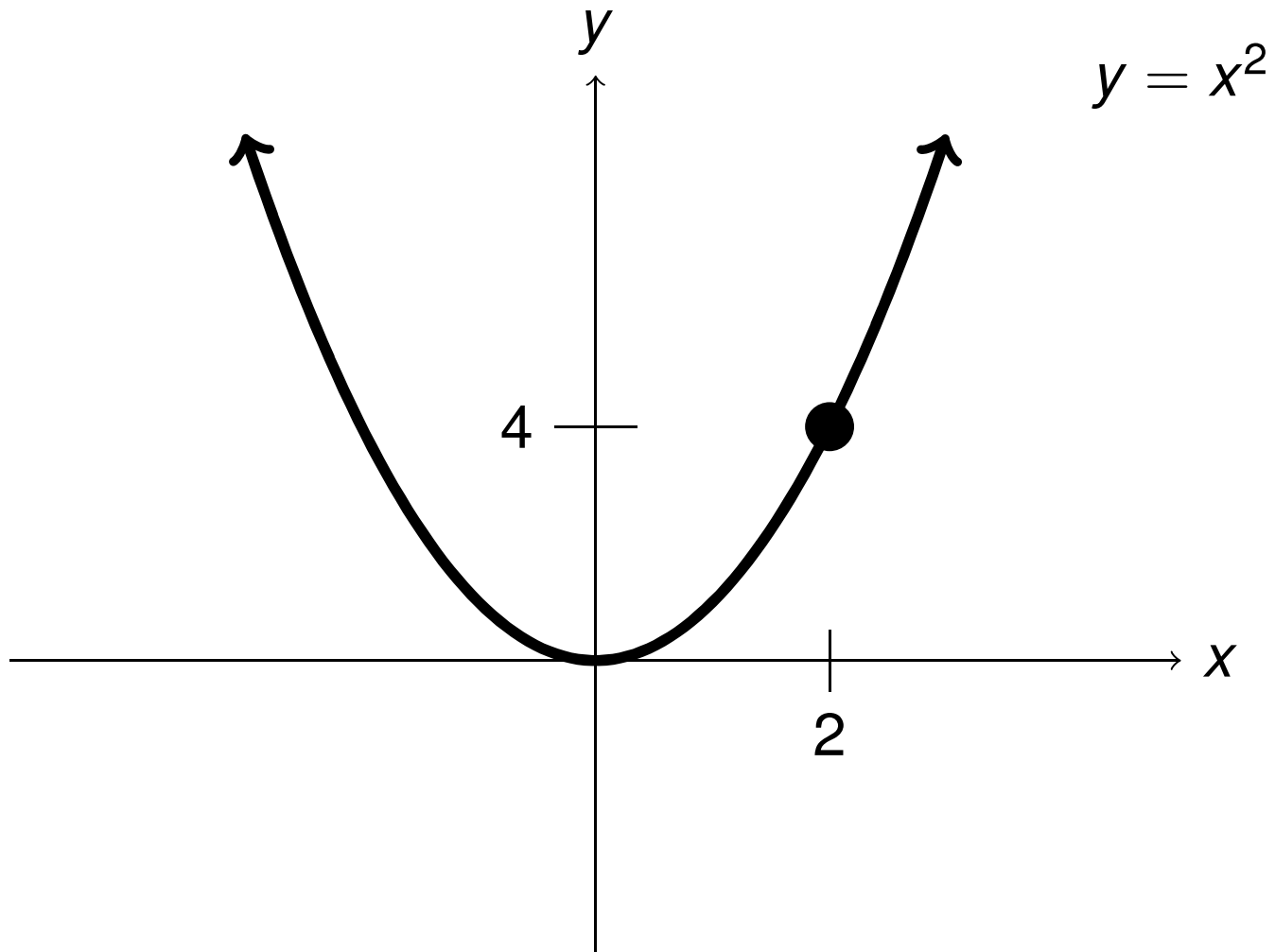
## Preliminaries

- Functions
- Graphs of Functions

## Objectives

- Understand function notation

# Functions as Graphs



# Recap

## Functions

Representation	Input	Output
Function Box	Input	Output
Function Notation	$x$	$f(x)$
Graph	$x$ -axis	$y$ -axis

Adding Functions

$$f(x) + g(x)$$

Composition of Functions

$$f(g(x))$$

# Recap

## Functions

Representation	Input	Output
Function Box	Input	Output
Function Notation	$x$	$f(x)$
Graph	$x$ -axis	$y$ -axis