3.4A Library of Functions

▼ Library of Functions

Basic functions represent a collection of functions that have similar graphs.



▼ Types of Basic Functions

Exponential Base e:



Logarithmic Base e:

 $f(x) = \ln x$



▼ Examples

▼ Example 1: Study the function $f(x) = x^2$



▼ Example 2: Study the function $f(x) = \sqrt{x}$



▼ Example 3: Study the function $f(x) = \sqrt[3]{x}$



▼ Example 4: Study the function $f(x) = \frac{1}{x}$

