Functions, Limits, Derivatives

Learning Outcomes:

Identify properties of elementary functions (formed by composition of power, exponential, logarithmic, and trigonometric functions and their inverses).

Functions

Definition of a Function

A **function** f is a rule that assigns to each element x in a set D exactly one element, called $f(x)$, in a set E.

Set D is called the _____ of the function.

Set E is called the _____ of the function.

Functions

Definition of a Function

A **function** f is a rule that assigns to each element x in a set D exactly one element, called $f(x)$, in a set E.

Set D is called the domain of the function.

Set E is called the range of the function.