Calculus 2

Functions & Limits

Functions

- Question: What is a function?

Functions

- Question: What is a function?
  - We will regard slopes and areas under graphs as functions.

Functions

- Question: What is a function?
  - We will regard slopes and areas under graphs as functions.
- Easy questions:
  - Is every equation a function?
  - Is every function an equation?
  - Is every graph a function?
  - Is every function a graph?

Functions

- Visual Calculus Link for discussion of functions
  - Link

- Tests for functions?

Functions

- Visual Calculus Link for discussion of functions
  - Link

- Tests for functions?
  - Horizontal or Vertical lines test?

Limits

- Question: What is a limit?

Limits

- Question: What is a limit?
  - Visual Calculus
    - Numerical point of view.
    - Graphical point of view.
      - Intuitive Definition
      - Javascript exploration (e.gs)
      - Javascript exploration of infinite limits
      - Graphical introduction to limits