Functions

- **Sets of numbers INTO the function**: Domain
  - Think of as the x-axis
  - \( f(g(x)) = x \)

- **Sets of numbers OUT of the function**: Range
  - Think of as the y-axis

- **Inverse Functions**: Functions Undefined - Where?
  - Use different x values
  - Written as an expression
  - Values of x where the function is NOT defined
  - To make the denominator of fraction \( \neq 0 \)
  - Or to make negative square roots