1 Functions

Absolute Value Function

Logarithms

Polynomial Functions (4.1.5)

Constants (P_0)

Linear Functions (P_1)

Quadratic Functions (P_2)

Cubic Functions (P_3)

Equality of Functions (4.1.6)

$$f(x) = g(x)$$

Encoding and Decoding Functions (4.2)

Onto Functions (4.2.2)

One-to-One Functions (4.2.3)

One-to-One Functions (4.2.3)

$f(x)$, must be *One-to-One* and *Onto*

Exponential and Logarithmic Functions (4.3)

The Laws of Logarithms

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- $log_b(x^y) = y \times log_b(x)$
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Comparing the size of Functions (4.4)

Using O-notations

Power Notation (4.4.2)

Section 8 Exercises

- $8^{\frac{1}{3}}$ Recall $a^{\frac{b}{c}} = a^{\frac{b}{c}}$
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