Why

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Definition

Let $x \in \mathbf{R}$ and $p \in \mathbf{Z}$.[2]

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[1]Future editions will include.

[2]Future editions will develop further

Real Powers

Real Arithmetic

Real Multiplicative Inverses

Real Products

Real Order   Real Additive Inverses

Real Sums   Rational Arithmetic   Rational Multiplicative Inverses

Real Numbers   Rational Sums   Rational Products

Rational Numbers

Integer Arithmetic   Inverse Elements

Integer Products   Natural Additive Identity   Natural Multiplicative Identity   Element Functions   Function Inverses

Arithmetic   Identity Elements   Algebras   Function Composites   Function Images

Natural Powers   Operations

Natural Products   Integer Sums   Functions

Natural Sums   Integer Numbers

Recursion Theorem   Equivalence Relations

Peano Axioms   Relations

Natural Induction   Cartesian Products

Natural Numbers   Set Powers

Successor Sets   Intersection of Empty Set   Unordered Triples   Partitions

Pair Unions   Set Intersections   Ordered Pairs

Set Differences   Set Unions

Pair Intersections   Empty Set   Unordered Pairs

Set Specification

Set Inclusion

Standardized Accounts

Accounts

Deductions

Quantified Statements

Logical Statements

Statements

Identities   Sets

Names

Letters   Objects

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