Why

We are constantly thinking of the R^2 as points of a plane.[1]

Discussion

We think of elements of R^2 as being points of a plane from *Geometry*. For this reason we sometimes call the elements of R^2 *points*.

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[1]Future editions will modify this sheet.

Real Plane

Real Numbers Direct Products

Rational Numbers Families

Geometry Integer Arithmetic

Natural Multiplicative Identity Natural Additive Identity

Arithmetic Identity Elements

Integer Products Natural Exponents Operations

Integer Sums Natural Products Functions

Integer Numbers Natural Sums

Equivalence Relations Recursion Theorem

Relations Peano Axioms

Cartesian Products Natural Induction

Set Powers Natural Numbers

Partitions Unordered Triples Intersection of Empty Set Successor Sets

Ordered Pairs Set Intersections Pair Unions

Set Unions Set Differences

Unordered Pairs Empty Set Pair Intersections

Set Specification

Set Inclusion

Standardized Accounts

Accounts Definitions

Deductions Quantified Statements

Logical Statements

Statements

Sets Identities

Names

Letters Objects

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