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contribute anything new to a set, so remove them. The order of the elements in a set doesn't contribute. Sets and set operations. Set Theory. Set Theory. A set is an unordered collection of different elements. A set can be written explicitly by listing its elements using set bracket. If the order of the elements is changed or any element of a set is repeated, it does not make any changes in the set. Sets in Discrete Mathematics - SlideShare. This text aims to give an introduction to select topics in discrete mathematics at a level appropriate for first or second year undergraduate math majors, especially those who intend to teach middle and high school mathematics. The book began as a set of notes for the Discrete Mathematics course at the University of Northern Colorado. Discrete. A set has an infinite number of elements, its cardinality is ∞ . Example – $|\{1,4,3,5\}|=4$, $|\{1,2,3,4,5,\dots\}|=\infty$. If there are two sets X and Y, $|X|=|Y|$ denotes two sets X and Y having same cardinality. It occurs when the number of elements in X is exactly equal to the number of elements in Y. TOP 250+ Discrete

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Set Theory. Basic building block for types of objects in discrete mathematics. Set operations in programming languages: Issues about data structures used to represent sets and the computational cost of set operations. Set theory is the foundation of mathematics. Many different systems of axioms have been proposed.

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Cantor (D) Cayley Answer
C. MCQ No - 2. A set is a
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introduction to select
topics in discrete mathe-
matics at a level
appropriate for first or
second year
undergraduate math
majors, especially those wh
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high school math-ematics.
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of notes for the Discrete
Mathematics
course at the University of No
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the Element Method ...**

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theory, elements, and
how to build sets. This
video is an updated
version of the original
video released over two
years ago. Hopefully...

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Definition: Two sets are
equal if and only if they
have the same elements.
Example: $\{1,2,3\} =$
 $\{3,1,2\} = \{1,2,1,3,2\}$
Note: Duplicates don't
contribute anything new
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The order of the elements
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rather than continuous. In
contrast to real numbers
that have the property of**

varying "smoothly", the objects studied in discrete mathematics – such as integers, graphs, and statements in logic – do not vary smoothly in this way, but have distinct, separated values.

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