

Mathematics

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Gaussian elimination

Vector

Element

\in means something is an element of a number set.

For example $T \in \mathbb{R}$ means that T can be replaced by any real number (-2, 0, 2.4, 1/3, π , ...)

Number Sets

Symbol	Name	Includes
\mathbb{N}	Natural Numbers	0, 1, 2, 3, 4, 5, ...
\mathbb{Z}	Integers	-3, -2, -1, 0, 1, 2, 3, ...
\mathbb{Q}	Rational Numbers	-2/5, 0.54, 1/5, 13/4, ...
\mathbb{R}	Real Numbers	-2, 0, 2.4, 1/3, π , ...
\mathbb{C}	Complex Numbers	Ask someone who understands

Each of the them is a subset of the next one. A rational number is also a real number.
 \subset is the symbol for subset.

$$\mathbb{N} \subset \mathbb{Z} \subset \mathbb{Q} \subset \mathbb{R} \subset \mathbb{C}$$