Number Sets

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Symbol	Name	Set	Examples of elements
$\mathbb{N}$	Natural numbers	N is the set of natural numbers, which includes all integers greater than or equal to 0.	0, 1, 2, 3, ...
$\mathbb{Z}$	Integers	Z is the set of all integers.	..., -2, -1, 0, 1, 2, ...
$\mathbb{Q}$	Rational numbers	Q is the set of rational numbers, which includes all real numbers that can be expressed as a/b, where a and b are integers and b ≠ 0.	0, 1/2, 5.23, -5/3
$\mathbb{A}$	Algebraic numbers	A is the set of algebraic numbers, which are the complex numbers that are the roots of non-zero polynomial equations with rational coefficients.	$3k-1$, $\sqrt[3]{2}$, $\frac{1}{2}+\frac{3}{4}k$
$\mathbb{R}$	Real numbers	R is the set of real numbers.	0, 1/2, 5.23, -5/3, π, $\sqrt{2}$
$\mathbb{I}$	Imaginary numbers	I is the set of imaginary numbers, which includes all real numbers that can be expressed as a times the imaginary unit i.	$3i$, $-4i$, $\frac{1}{2}i$
$\mathbb{C}$	Complex numbers	C is the set of complex numbers, which includes all numbers that can be expressed in the form a + bi, where a and b are real numbers.	$3+2i$, $-1+i$, $\sqrt{3}-i$