

Stuffed Sheets™...Solving your math problems now!

## Stuffed Sheets.com – Index of Math Symbols – Algebra

For most of the entries, the links go to the first sheet on which the symbol is actually used.

<a href="#">Pi</a>	<a href="#">Is an Element of</a>	<a href="#">Is not an Element of</a>	<a href="#">Set</a>	<a href="#">Empty Set</a>	<a href="#">Set-Builder Notation</a>
$\pi$	$\in$	$\notin$	$\{\}$	$\emptyset$	$\{x \dots\}$
<a href="#">Natural Numbers</a>	<a href="#">Whole Numbers</a>	<a href="#">Integer Numbers</a>	<a href="#">Rational Numbers</a>	<a href="#">Irrational Numbers</a>	<a href="#">Real Numbers</a>
$\mathbb{N}$	$\mathbb{W}$	$\mathbb{Z}$	$\mathbb{Q}$	$\mathbb{I}$	$\mathbb{R}$
<a href="#">Subset</a>	<a href="#">Proper Subset</a>	<a href="#">Intersection</a>	<a href="#">Union</a>	<a href="#">Greater than or Equal to</a>	<a href="#">Less than or Equal to</a>
$\subset$	$\subseteq$	$\cap$	$\cup$	$\geq$	$\leq$
<a href="#">Infinity</a>	<a href="#">Open Interval</a>	<a href="#">Closed Interval</a>	<a href="#">Half-Open Interval</a>	<a href="#">Absolute Value</a>	<a href="#">Distance between Two Points</a>
$\infty$	$( )$	$[ ]$	$[ )$ or $( ]$	$  $	$d(a,b)$
<a href="#">Plus or Minus</a>	<a href="#">Polynomial in x</a>	<a href="#">Polynomial in x, y and z</a>	<a href="#">Polynomial of Degree n in x</a>	<a href="#">x to the nth Power</a>	<a href="#">Principle nth Root of x</a>
$\pm$	$P(x)$	$P(x,y,z)$	$P_n(x)$	$x^n$	$\sqrt[n]{x}$ or $x^{1/n}$
<a href="#">Rational Algebraic Expression</a>	<a href="#">nth root of x to the mth Power</a>	<a href="#">Ordered Pair</a>	<a href="#">Cartesian Product</a>	<a href="#">Cartesian Plane</a>	<a href="#">Function of x</a>
$\frac{p(x)}{q(x)}$	$\sqrt[n]{x^m}$	$(x,y)$	$A \times B$	$\mathbb{R} \times \mathbb{R}$	$f(x)$
<a href="#">Split or Piecewise Function of x</a>	<a href="#">Sum of Functions</a>	<a href="#">Difference of Functions</a>	<a href="#">Product of Functions</a>	<a href="#">Quotient of Functions</a>	<a href="#">Composition of Functions</a>
$g(x) = \begin{cases} \dots \\ \dots \end{cases}$	$f(x) + g(x)$	$f(x) - g(x)$	$f(x) \cdot g(x)$	$\frac{f(x)}{g(x)}$	$(f \circ g)(x)$ or $f(g(x))$
<a href="#">Delta x</a>	<a href="#">Difference Quotient</a>	<a href="#">Slope</a>	<a href="#">x prime</a>	<a href="#">System of Linear Equations in Two Variables</a>	<a href="#">Function of Two Variables</a>
$\Delta x$	$\frac{\Delta f}{\Delta x}$ or $\frac{f(x + \Delta x) - f(x)}{\Delta x}$ or $\frac{f(x + h) - f(x)}{h}$	$m = \frac{\Delta y}{\Delta x}$	$x'$	$\begin{cases} Ax + By = C \\ Dx + Ey = F \end{cases}$	$f(x,y)$
<a href="#">Ordered Triple</a>	<a href="#">Open Sentence In Three Variables</a>	<a href="#">System of Linear Equations in Three Variables</a>	<a href="#">Matrix</a>	<a href="#">ith Row and ith Column entry of a Matrix</a>	<a href="#">Row Vector</a>
$(x,y,z)$	$Ax + By + Cz = D$	$\begin{cases} Ax + By + Cz = D \\ Ex + Fy + Gz = H \\ Ix + Jy + Kz = L \end{cases}$	$\begin{pmatrix} a & b \\ c & d \end{pmatrix}$ or	$a_{ij}$	$(a \ b \ c)$

Stuffed Sheets™...Solving your math problems for you now!

			$\begin{bmatrix} a & b \\ c & d \end{bmatrix}$		
<a href="#">Column Vector</a>	<a href="#">m by n Matrix</a>	<a href="#">Square Matrix</a>	<a href="#">Transpose of a Matrix</a>	<a href="#">Zero Matrix</a>	<a href="#">Multiplication of a Matrix by a Scalar</a>
$\begin{pmatrix} a \\ b \\ c \end{pmatrix}$	$A_{m \times n}$	$A_{n \times n}$	$A_{m \times n}^t$	$\mathbf{0}_{m \times n}$	$kA_{m \times n}$
<a href="#">Inner Product of Two Vectors</a>	<a href="#">Vector</a>	<a href="#">Vector in Component Form</a>	<a href="#">Magnitude of a Vector</a>	<a href="#">Dot or Scalar Product of Two Vectors</a>	<a href="#">Identity Matrix</a>
$\langle A, B \rangle$	$\mathbf{v}$	$\langle v_x, v_y \rangle$	$\ \mathbf{v}\ $	$\mathbf{v} \cdot \mathbf{w}$	$I_{n \times n}$
<a href="#">Augmented Matrix</a>	<a href="#">Matrix Row Operations</a>	<a href="#">Grafted Matrix</a>	<a href="#">Inverse of a Matrix</a>	<a href="#">Determinant of Matrix A</a>	<a href="#">Minor of a Determinant Entry</a>
$\left( \begin{array}{cc c} a & b & c \\ d & e & f \end{array} \right)$	$aR_i + bR_j \rightarrow R_j$	$(A_{m \times n} \mid I_{n \times n})$	$A^{-1}$	$ A $ or $\det(A)$	$M_{ij}$
<a href="#">Cofactor of a Determinant Entry</a>	<a href="#">Complex Numbers</a>	<a href="#">Imaginary Unit</a>	<a href="#">General Symbol for a Complex Number</a>	<a href="#">Complex Number in Standard Form</a>	<a href="#">Real Part of a Complex Number</a>
$A_{ij}$	$\mathbb{C}$	$i$ or $\sqrt{-1}$	$z$	$a + bi$	$\text{Re}(z)$
<a href="#">Imaginary Part of a Complex Number</a>	<a href="#">Conjugate of a Complex Number</a>	<a href="#">Modulus of a Complex Number</a>	<a href="#">Trigonometric or Polar Form of a Complex Number</a>	<a href="#">Discriminant</a>	<a href="#">Variation</a>
$\text{Im}(z)$	$\bar{z}$	$ z $ or $ (a, b) $	$r \text{cis}(\theta)$	$b^2 - 4ac$	$\infty$
<a href="#">Inverse Function</a>	<a href="#">Exponential Function</a>	<a href="#">Logarithmic Function</a>	<a href="#">Base of the Natural Logarithmic Function</a>	<a href="#">Natural Logarithmic Function</a>	<a href="#">Sequence</a>
$f^{-1}$	$b^x$	$\log_b(x)$	$e$	$\ln(x)$	$\{a_i\}$
<a href="#">nth Term of a Sequence</a>	<a href="#">Finite Sequence</a>	<a href="#">Infinite Sequence</a>	<a href="#">Fibonacci Sequence</a>	<a href="#">n Factorial</a>	<a href="#">Sigma</a>
$a_n$	$\{a_i\}_{i=1}^n$	$\{a_i\}_{i=1}^{\infty}$	$F_n$	$n!$	$\Sigma$
<a href="#">Finite Series</a>	<a href="#">nth Partial Sum of a Series</a>	<a href="#">Binomial Coefficient</a>			
$\sum_{i=1}^n a_i$	$S_n$	$\binom{n}{r}$ or ${}_n C_r$ or $\frac{n!}{r!(n-r)!}$			