



Table of Symbols

Symbol	Meaning	Page
$3 \cdot x$ $3x$ $3(x)$	3 times x	5
$\frac{n}{2}$	n divided by 2	6
\dots	continues on	9
4^3	4 to the third power, or $4 \cdot 4 \cdot 4$	10
()	parentheses— a grouping symbol	17
[]	brackets—a grouping symbol	17
-3	negative 3	22
$ a $	absolute value of a number a	23
$-a$	the opposite of a number a	23
(x, y)	ordered pair	47
$=$	equals, is equal to	85
$\stackrel{?}{=}$	is equal to?	85
\neq	is not equal to	85
$<$	is less than	138
$>$	is greater than	138
\geq	is greater than or equal to	138
\leq	is less than or equal to	138
$1.\overline{16}$	repeating decimal 1.16666...	220
$a : b, \frac{a}{b}$	ratio of a to b	269
\overleftrightarrow{AB}	line AB	285
\overline{AB}	line segment AB , or segment AB	285
AB	length of segment AB	285

Symbol	Meaning	Page
\overrightarrow{AB}	ray AB	285
$\angle ABC,$ $\angle B$	angle ABC , angle with vertex B	285
$m\angle B$	measure of angle B	285
$\triangle ABC$	triangle with vertices A, B , and C	286
\cong	is congruent to	286
\sim	is similar to	288
%	percent	329
\parallel	is parallel to	410
	parallel lines	410
\perp	is perpendicular to	410
$f(x)$	the value of the function f at x	426
\sqrt{a}	the positive square root of a number a where $a \geq 0$	453
\pm	plus or minus	453
$\sqrt[3]{a}$	the cube root of a number a	457
π	pi—a number approximately equal to 3.14	528
$3!$	3 factorial, or $3 \cdot 2 \cdot 1$	615
${}_8P_3$	permutations of 8 objects taken 3 at a time	616
${}_5C_2$	combinations of 5 objects taken 2 at a time	621
A'	the image of point A	729
\approx	is approximately equal to	771
	right angle	793