

Mathematical Expressions

Where alternative ways of saying the expressions are given,
the first is generally more formal or technical.

+ plus / and
- minus / take away
 \pm plus or minus
 \times (is) multiplied by / times (*or when giving dimensions by*)
 \div (is) divided by
= is equal to / equals
 \neq is not equal to / does not equal
 \simeq is approximately equal to
 \equiv is equivalent to / is identical with
< is less than
 \nless is not less than
 \leq is less than or equal to
> is more than
 \nless is not more than
 \geq is more than or equal to
% per cent

∞ infinity
 \propto varies as / is proportional to
3:9 :: 4:12 three is to nine as four is to twelve
 \log_e natural logarithm *or* logarithm to the base e / i: /
 $\sqrt{\quad}$ (square) root
 $\sqrt[3]{\quad}$ cube root
 x^2 x / eks / squared
 x^3 x / eks / cubed
 x^4 x / eks / to the power of four / to the fourth
 π pi / pai /
r / $\alpha(r)$ / = radius of a circle
 \int the integral of
degree
' minute (of an arc); foot *or* feet
(unit of length)
" second (of an arc); inch *or* inches
(unit of length)