

Maple T.A. Quick Reference

Basic Operations

Operation		Command
addition	$a + b$	a+b
subtraction	$a - b$	a-b
multiplication	$a \cdot b$	a*b
division	$\frac{a}{b}$	a/b
exponentiation	a^b	a^b

Constants & Symbols

Constant/Symbol	Command
π	Pi
e	exp(1)
i	I
∞	infinity

Functions

Function		Command
trigonometric	$\sin(x), \cos(x), \tan(x),$ $\csc(x), \sec(x), \cot(x)$	$\sin(x), \cos(x), \tan(x),$ $\csc(x), \sec(x), \cot(x)$
inverse trig	$\arcsin(x), \arccos(x), \arctan(x)$	$\arcsin(x), \arccos(x), \arctan(x)$
exponential	e^x	exp(x)
logarithmic	$\ln(x), \log_a(x)$	$\ln(x), \log[a](x)$
square root	\sqrt{x}	sqrt(x)
n th root	$\sqrt[n]{x}$	surd(x,n)
hyperbolic	$\sinh(x), \cosh(x),$ $\tanh(x), \operatorname{sech}(x)$	$\sinh(x), \cosh(x),$ $\tanh(x), \operatorname{sech}(x)$
absolute value	$ x $	abs(x)
factorial	$x!$	factorial(x)

- Always check your answers using the [preview](#) hyperlink before submitting them. This can be found near the entry box on any formula or Maple-graded questions.
- Be sure to read each question carefully and make sure that you understand how to enter your answer.