

Notation for Entering Mathematical Expressions

Basic operators: The basic mathematical operators you will use are +, -, *, / and ^, representing addition, subtraction, multiplication, division and exponentiation, respectively.

If your answer is...	then enter
$x + a - 5$	<code>x+a-5</code>
$3ab$	<code>3*a*b</code>
$\frac{x}{y}$	<code>x/y</code>
x^2	<code>x^2</code>

Grouping: Use parentheses, (and), for grouping.

If your answer is...	be sure to enter	Do not enter...	because the system will see
$\frac{x+5}{y-6}$	<code>(x+5)/(y-6)</code>	<code>x+5/y-6</code>	$x + \frac{5}{y} - 6$
$2x \cdot 2x \cdot 2x$	<code>(2*x)^3</code>	<code>2*x^3</code>	$2 \cdot x^3$

Natural logarithms and exponentials: Use E (a capital E) for the base of natural logarithms. Use `Log[x]` to denote the natural log of x . (Remember, all logarithms on this test are assumed to have base e .)

If your answer is...	then enter
e^{x^2+5}	<code>E^(x^2+5)</code>
$\log 2xy^3$	<code>Log[2*x*y^3]</code>