

MTH 229

ORDER OF OPERATIONS

P ← parentheses
E ← exponentials
M ← multiplication / division
D ←
A ← addition subtraction
S ←

PEMDAS ②

$$\underline{4 - 3} + 2$$

$$1 + 2 = 3$$

$$\underline{(4 - 3) + 2}$$

$$4 - (3 + 2)$$

$$4 - 5 = -1$$

③

$$\underline{2 \times 4} + 3.$$

$$8 + 3 = 11.$$

$$2 + \underline{4 \times 3}$$

$$2 + 12 = 14.$$

$$(2 + 4) \times 3.$$

$$6 \times 3.$$

$$18.$$

3

math

$$e^x$$

$$x^2$$

$$\sin(x)$$

$$\sin^2(x)$$

$$(\sin(x))^2$$

$$\exp(x)$$

$$x^2$$

$$\sin(x)$$

~~$$\sin^2(x)$$~~

$\sin(x)^2$

julia

4

④

$$\frac{a}{4b}$$



$$a / 4 * b$$

Julia.

⑤

$$\frac{a}{4} b = \frac{ab}{4}$$

$$\frac{a}{4b}$$



$$a / (4 * b)$$

$$a / 4 / b$$

$$\frac{a}{4} / b = \frac{a}{4b}$$

$a - b/c/d + e \leftarrow$ from julia. ⑥

$$a - \frac{b}{cd} + e$$

$$\cos^2\left(\frac{2\pi}{3x}\right)$$

↑
regular
math

$$\cos(2\pi/(3*x))$$

↑ in julia

$$\frac{a}{b} = \frac{a}{4b}$$

5|4|3 ← in julia notation

$$\frac{5}{4 \times 3}$$