

Brackets, tables and Arrays
 Brackets:

$$(x + 1)$$

$$3[x^2 + 5x - 6]$$

$$\{a, b, v\}$$

$$\$12.556$$

Size of brackets:

$$3(\frac{x}{y})$$

$$3\left(\frac{x}{y}\right)$$

$$3\left[\frac{x}{y}\right]$$

$$3\left\{\frac{x}{y}\right\}$$

$$|x|$$

$$\left|\frac{x}{y}\right|$$

$$\{x^3$$

$$\left|\frac{dy}{dx}\right|_{x=3}$$

Note: To have either one of the bracket, replace the not needed one with period symbol ”.”

$$\frac{dy}{dx}\Big|_{x=3}$$

Table:

c : shows center aligned, number of 'c' shows no. of columns.

& is used to signify change of column.

”linebreak” command is used to tell new row.

”hline” is used to draw horizontal line

” | ” in between 'c' is used to draw vertical line.

x	1	2	3	4	5
$f(x)$	10	12	14	16	18

Arrays: Not aligned

$$y = x^2 + 5x - 6 \tag{1}$$

$$A = \pi r^2 \tag{2}$$

$$perimeter = 2\pi r \tag{3}$$

$$vol = \pi r^2 h \tag{4}$$

aligned with = symbol

$$y = x^2 + 5x - 6 \tag{5}$$

$$A = \pi r^2 \tag{6}$$

$$perimeter = 2\pi r \tag{7}$$

$$vol = \pi r^2 h \tag{8}$$

without equation number

$$y = x^2 + 5x - 6$$

$$A = \pi r^2$$

$$perimeter = 2\pi r$$

$$vol = \pi r^2 h$$