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Greek Letters η and μ
 Fraction $\frac{a}{b}$
 Power a^b
 Subscript a_b
 Derivate $\frac{\partial y}{\partial t}$
 Vector \vec{n}
 Bold **n**
 To time differential \dot{F}
 Matrix (lcr here means left, center or right for each column)

$$\left[\begin{array}{ccc} a1 & b22 & c333 \\ d444 & e5555555 & f6 \end{array} \right]$$

Equations(here & is the symbol for aligning different rows)

$$\begin{array}{rcl} a + b & = & c \\ d & = & e + f + g \end{array} \qquad \begin{array}{l} (1) \\ (2) \end{array}$$

$$\begin{cases} a + b = c \\ d = e + f + g \end{cases}$$