Gather

$$P(x) = ax^5 + bx^4 + cx^3 + dx^2 + ex + f \tag{1}$$
$$x^2 + x = 10 \tag{2}$$

Multline

$$(a+b+c+d)x^5 + (b+c+d+e)x^4 + (xyz * abcdef + ijk^5) + (c+d+e+f)x^3 + (d+e+f+a)x^2 + (e+f+a+b)x + (f+a+b+c)$$

Aligned equations

$$\begin{aligned} a &= b+1 & c &= d+2 & e &= f+3 & x &> 7 \\ r &= s^2 & t &= u^3 & v &= w^4 \end{aligned}$$

-ed variants (works for align, gather, etc.)
Aligned:

$$\left.\begin{aligned} a &= b \\ c &= d \end{aligned}\right\} \Longrightarrow \begin{cases} b = a \\ d = c \end{cases}$$

`aligned` arguments

- $\begin{aligned} a &= b \\ c &= d \end{aligned}$
- $\begin{aligned} a &= b \\ c &= d \end{aligned}$

$(x+y)(x-y) = x^2 - y^2$
$\boldsymbol{(x+y)(x-y) = x^2 - y^2\ \pi r^2}$
$(x+\mathbf{y})(x-\mathbf{y}) = x^2 - \mathbf{y}^2\ \pi r^2$

$(x+\mathbf{y})(x-\mathbf{y}) = x^2 - \mathbf{y}^2$
$(x+\boldsymbol{y})(x-\boldsymbol{y}) = x^2 - \boldsymbol{y}^2$
$\alpha + \boldsymbol{\alpha} < \beta + \boldsymbol{\beta}$

$$\begin{pmatrix} 10 & 11 \\ 1 & 2 \\ -5 & -6 \end{pmatrix}$$