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\LaTeX : $A = B + C$ aaa bbb ppp
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$$A = B + C$$

\begin{equation} $A(x)^2 = C(x,y)$ \end{equation}

A = B + C

$$A(x)^2 = C(x, y) \tag{1}$$

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\begin{equation}
 A(x)^2 = C(x,y)
\end{equation}

A = B + C

 $A(x)^2 = C(x, y) \tag{2}$

$$A = B + C$$

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 A(x)^2 = C(x,y)
\end{equation}

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