

# Latex

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(1)  $f(x) = ax^2 + bx + c$

(2)  $f(x) = \exp(x)$

(3)  $f(x) = \frac{a}{b}, \quad a \in \mathbb{R}, b \in \mathbb{R}$

(4)  $f(x) = \sum_{i=1}^n x_i, \quad x = (x_1, x_2, \dots, x_n)$

(5)  $f(x) = \int_{\Omega} \sigma(x, t) dt$

(6)  $f(x) = \frac{\partial \mathcal{E}}{\partial w}$

(7)  $w^{t+1} = w^t - \eta \nabla \mathcal{L}(w^t)$