

例24 P192

$$\begin{aligned} (1) \int 6x^2 dx &= 6 \cdot \frac{1}{3} x^3 + C \\ &= \underline{2x^3 + C} \quad (\text{Cの値は不定}) \end{aligned}$$

$$(2) \int (x^2 + x - 1) dx = \underline{\frac{1}{3}x^3 + \frac{1}{2}x^2 - x + C}$$

$$\begin{aligned} (3) \int (3x^2 - 2x + 5) dx &= 3 \cdot \frac{1}{3} x^3 - 2 \cdot \frac{1}{2} x^2 + 5x + C \\ &= \underline{x^3 - x^2 + 5x + C} \end{aligned}$$

$$\begin{aligned} (4) \int (-2x^2 - x + 7) dx &= -2 \cdot \frac{1}{3} x^3 - \frac{1}{2} x^2 + 7x + C \\ &= \underline{-\frac{2}{3}x^3 - \frac{1}{2}x^2 + 7x + C} \end{aligned}$$