定積分

$$\int_0^1 (3 - 5x^2)\, dx$$

$$= \int_0^1 3\, dx - \int_0^1 5x^2\, dx$$

$$= 3x \Big|_0^1 - 5 \cdot \frac{x^3}{3} \Big|_0^1$$

$$= (3 - 0) - \left(5 \cdot \frac{1}{3} - 5 \cdot 0\right)$$

$$= 3 - \frac{5}{3}$$

$$= \frac{4}{3}$$

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