

1 次の不定積分を計算せよ.

$$(1) \int \frac{1}{x^3 - x} dx$$

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

$$(3) \int \frac{1}{x^2(x^2 - 1)^2} dx$$