

$$\int x \square dx = \frac{1}{\square + 1} x \square^{+1} \qquad \int \frac{1}{x} dx = \log |x|$$

次の積分を求めよ. 途中の計算式も書くこと.

- (1) $\int (3x^5 + x^2 + 3) dx$ (2) $\int \left(4x^{\frac{1}{3}} + 3x^{\frac{1}{2}} - x^{-\frac{1}{4}}\right) dx$ (3) $\int x^\pi dx$
(4) $\int (x+2)^4 dx$ (5) $\int \frac{x + x^{\frac{1}{3}}}{\sqrt{x}} dx$ (6) $\int \frac{x+1}{x} dx$
(7) $\int x^{\log 13} dx$ (8) $\int x^{\frac{1}{\pi}} dx$
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(1)		(2)	
(3)		(4)	
(5)		(6)	
(7)		(8)	