

微積分作業1

March 6, 2026

1 Find the indefinite integral.

$$\int t^3 \sqrt{t^4 + 1} dt$$

2 Find the indefinite integral. (Note: Solve by the most convenient method—not all require integration by parts).

$$\int \frac{e^{\frac{1}{t}}}{t^2} dt$$

3 Find the indefinite integral.

$$\int \sec^4(x) dx$$