

数Ⅲ(積分特訓①)

① $\int \frac{1}{1+\cos 2x} dx$

② $\int \frac{2x^3+4x^2+6}{x^2+2x-3} dx$

③ $\int \frac{9x}{\sqrt{3x-1}} dx$

④ $\int \frac{2x+3}{\sqrt{x^2+3x-4}} dx$

⑤ $\int x^2 \log x dx$

⑥ $\int \sin^2 \frac{x}{2} dx$