数Ⅲ(不定積分②・三角関数編)

ポ

$\int \sin x\,dx = \boxed{①} + C$ 、 $\int \cos x\,dx = \boxed{②} + C$

$\int \frac{1}{\sin^2 x}\,dx = \boxed{③} + C$ 、 $\int \frac{1}{\cos^2 x}\,dx = \boxed{④} + C$

⑤ $\int (4\sin x - 3\cos x)\,dx$　⑥ $\int \frac{\cos^3 x + 5}{\cos^2 x}\,dx$　⑦ $\int \frac{1}{\tan^2 x}\,dx$