KTH Matematik
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Primitiva funktioner att lära utantill:

1. $\int \tan x \, dx = -\ln(\cos x)$
2. $\int \sin x \cos x \, dx = \frac{1}{2}\sin^2 x$
3. $\int \cos^2 x \, dx = \frac{x}{2} + \frac{1}{2}\sin x \, \cos x$
4. $\int \sin^2 x \, dx = \frac{x}{2} - \frac{1}{2}\sin x \, \cos x$
5. $\int \frac{dx}{a^2 + x^2} = \frac{1}{a}\arctan\frac{x}{a}$
6. $\int \frac{x \, dx}{a^2 + x^2} = \frac{1}{2}\ln(a^2 + x^2)$
7. $\int \frac{dx}{\sqrt{a^2 - x^2}} = \arcsin\frac{x}{a} \quad , a > 0$
8. $\int \frac{dx}{\sqrt{a^2 + x^2}} = \ln(x + \sqrt{a^2 + x^2})$