$$\int \frac{x - 11}{(x^2 + 9)(x + 2)} \, dx$$

Compute the integral:

$$\int \frac{x - 11}{(x^2 + 9)(x + 2)} \, dx.$$

Integral of $\dfrac{x^3}{x^2-1}$

Express the integrand as a sum of a polynomial and a proper rational function, then integrate:

$$\int \frac{x^3}{x^2-1}\,dx.$$

MIT OpenCourseWare
http://ocw.mit.edu

18.01SC Single Variable Calculus
Fall 2010