



9. $\int_a^x e^{\lambda x + \beta t} y(t) dt = f(x), \quad f(a) = 0.$

Solution: $y(x) = e^{-(\lambda + \beta)x} [f'_x(x) - \lambda f(x)].$

Reference

Polyanin, A. D. and Manzhirov, A. V., *Handbook of Integral Equations*, CRC Press, Boca Raton, 1998.