



8. $y(x) + A \int_a^x e^{\lambda(x-t)} y(t) dt = f(x).$

Solution: $y(x) = f(x) - A \int_a^x e^{(\lambda-A)(x-t)} f(t) dt.$

Reference

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