



25. $y(x) + g(x)y(a/x) = f(x)$.

Solution:

$$y(x) = \frac{f(x) - g(x)f(a/x)}{1 - g(x)g(a/x)}.$$

Reference

Polyanin, A. D. and Manzhirov, A. V., *Handbook of Integral Equations: Exact Solutions (Supplement. Some Functional Equations)* [in Russian], Faktorial, Moscow, 1998.