



9.  $y^\lambda(x)y(\sqrt{a^2 - x^2}) = f(x).$

This is a special case of equation 9, Subsection 2.3.

### Reference

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