

## Exercise 24

In Exercises 17–24, find the unknown if the solution of each equation is given:

If  $u(x) = 6x$  is a solution of  $u(x) = f(x) + \int_0^x (1-t)u(t) dt - x \int_0^1 (x-t)u(t) dt$ , find  $f(x)$

[**TYPO: This differential should not be here.**]