

Ex.

$$h(x) = \int_5^{\ln x} (t^2 - 1) dt, \quad h'(x) = ?$$

$$h'(x) = g'(\ln x) \cdot \frac{1}{x} = [(\ln x)^2 - 1] \cdot \frac{1}{x}$$

$$g(x) = \int_5^x (t^2 - 1) dt$$

$$g'(x) = x^2 - 1$$

$$h(x) = g(\ln x)$$

