

1. The value  
of the function

$$f(x) = \frac{1}{x^2} \ln \left( \frac{x+1}{x-1} \right) - \frac{1}{x} \ln x$$

is

$$\frac{1}{x^2} \ln \left( \frac{x+1}{x-1} \right) - \frac{1}{x} \ln x$$