

Assignment # 10.

Due March 31, 17:00

Problem 1. Evaluate the following integral

a. $\int_2^{\infty} \frac{dx}{\ln x},$ b. $\int_0^{\pi/2} \tan x \, dx,$ c. $\int_2^{\infty} \frac{dx}{x \ln x},$

d. $\int_1^2 \frac{dx}{x \ln x},$ e. $\int_2^{\infty} \frac{dx}{x \ln^2 x},$ f. $\int_1^2 \frac{dx}{x \ln^2 x}.$