

Math 102

Quiz#3

10

Name:

ID No.:

Serial No.:

1. Evaluate $I = \int_1^4 \frac{\ln 2 \log_2 s}{s} ds.$

2. Evaluate $\int_0^{\pi/2} 2\sinh(\sin \theta) \cos \theta d\theta$

3. Find $\int \sin (\ln x^2) dx$

4. Evaluate $\int_1^e \frac{dt}{t\sqrt{1+(\ln t)^2}}$