KFUPM Term 132 Name----------Serial----

MATH 102-2 Quiz 3 ID----------Section 2

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1) (5 points) Evaluate $\int (\sec x) \ln \sqrt{\sec x + \tan x} dx$

2) (5 points) Evaluate $\int \frac{1 - \tanh^2 x}{\text{csch x}} dx$

3) (5 points) Evaluate $\int \frac{\sin^{-1}\sqrt{x}}{2\sqrt{x}}\,dx$

4) (5 points) If $\tanh x = \frac{3}{5}$, then find the value of csch x .