

Quiz 5

Dec 26, 2013

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1. Find the solutions of $\frac{dy}{dx} = 2x\sqrt{1-y^2}$ ($-1 < y < 1$).
2. Evaluate $\int \sin x \tanh(\cos x) dx$
3. True or False? Explain.
 $(\ln(\ln x))^2 = o(x)$ as $x \rightarrow \infty$.
4. Evaluate $\int \cos \sqrt{x} dx$
5. Evaluate $\int_{\frac{\pi}{3}}^{\frac{\pi}{2}} \frac{\sin^2 x}{\sqrt{1 - \cos x}} dx$

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