

Re: problem involving integration by parts

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The best way to do indefinite integrals is often to guess the form of the solution by applying the fundamental theorem of calculus. The quotient rule includes the square if the denominator so try differentiating: $\exp(2x)/(2x+1)$.

On Jan 24, 4:53 pm, woodland <woodland...@xxxxxxxxxxx> wrote:

Hi

I am trying to solve one indefinite integral

$\int x \cdot \exp(2x)/(2x+1)^2 dx$

Now when we try to solve integral ' $\int u \cdot v dx$ ' where u and v are two functions, we have to choose one of them to be integrated in the first step. So I chose $(x)/(2x+1)^2$ as the term which I keep as it is in the first term. But I will have to differentiate this function in the second term. I got stuck after that and couldn't solve the integral. Can anybody give me a hint to proceed.

Regards
wood