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2014 4 Which expression is equal to $\int e^{2x} dx$?

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- (A) $e^{2x} + c$ (B) $2e^{2x} + c$ (C) $\frac{e^{2x}}{2} + c$ (D) $\frac{e^{2x+1}}{2x+1} + c$

C

$$\begin{aligned}\int e^{2x} dx &= \frac{1}{2} e^{2x} + c \\ &= \frac{e^{2x}}{2} + c\end{aligned}$$

State Mean:
0.85

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