MSB/Perkmen te-9/ Lottelon soul

Immel AS 181141008 Fina

Modossar, 21 April 2019

Serephonal soul senter

(1) + (100) = 300 xn-1.e-x dx

= 500 × 100-1. e -x dx

= 5° x 99 . e-x dx ~ D 3° x n . e-x dx = n!

- 99!

= 3. [ト(え十)]

= 3 [+ (+(+)]

= 3 [1. 17]

 $=\frac{3}{4}\sqrt{\pi}$.

(3) $+(-\frac{1}{2})=+(-\frac{3}{2}+1)$

= -3/2 . [(-3/2)

 $= -\frac{3}{2} \cdot \left[+ \left(-\frac{5}{2} + 1 \right) \right]$

三一多、「一五、十一毫)

= - = . [-]. (-(-=+1))]

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The epoch F

F(-2+1)

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z Vī . (-2)

- - 2 17

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Holassa, 21 April 2021

$$\frac{1}{1} \quad \Gamma(-\frac{3}{2}) = \frac{\Gamma(-\frac{3}{2}+1)}{-\frac{1}{2}} \\
= \Gamma(-\frac{1}{2}) \cdot (-\frac{1}{3})$$

$$= \left[\Gamma(-\frac{1}{2}+1) - \frac{1}{2} \right] \cdot (-\frac{2}{3})$$

$$= \left[\Gamma(-\frac{1}{2}) \cdot (-2) \right] \cdot (-\frac{1}{3})$$

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Hitung dengan renggunakan definisi tengsi ganna

(i)
$$\int_{\infty}^{\infty} x^3 \cdot e^{-x} dx = 3! = 3x^2 \times 1 = 6$$

$$\hat{S} = \sum_{i=1}^{\infty} e^{-x^{3}} \cdot x^{\frac{1}{2}} dx$$

$$= \sum_{i=1}^{\infty} e^{-x^{3}} \cdot x^{2-\frac{3}{2}} dx$$

$$= \sum_{i=1}^{\infty} e^{-x^{3}} \cdot x^{2} \cdot x^{-\frac{3}{2}} dx$$

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$$= \int_{0}^{\infty} e^{-y} \cdot (y\frac{1}{3})^{-\frac{3}{2}} \cdot (\frac{1}{3} dy)$$

$$= \int_{0}^{\infty} e^{-y} \cdot (y)^{-\frac{1}{2}} \cdot (\frac{1}{3}) dy$$

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$$= \int_{0}^{\infty} e^{-(x^{\frac{1}{4}})} \cdot (x)^{\frac{1}{4}} dx$$

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