$$f(t) = 3 - \frac{4}{4} + pr + e^{-\frac{1}{4}} (3) |_{t}^{2} |$$

$$b_{n} = \frac{2}{8} \int_{0}^{8} \left(3 - \frac{1}{4}t\right) \sin \frac{\pi nt}{4} dt = \frac{2}{8} \left(3 \int_{0}^{8} \sin \frac{\pi nt}{4} dt - \frac{1}{4} \int_{0}^{4} t \cdot \sin \frac{\pi nt}{4} dt\right) \rightarrow \int \sin \frac{\pi nt}{4} dt = -\frac{1}{\pi n} \cos \frac{\pi nt}{4} + C$$

$$\int t \cdot \sin \frac{\pi nt}{4} dt = \frac{1}{\pi n} \cos \frac{\pi nt}{4} + C$$

$$\int t \cdot \sin \frac{\pi nt}{4} dt = \frac{1}{\pi n} \cos \frac{\pi nt}{4} + \frac{1}{\pi n} \int \cos \frac{\pi nt}{4} dt = -\frac{1}{\pi n} \cos \frac{\pi nt}{4} + C$$

$$\int t \cdot \sin \frac{\pi nt}{4} dt = -\frac{1}{\pi n} \cos \frac{\pi nt}{4} + \frac{1}{\pi n} \int \cos \frac{\pi nt}{4} dt = -\frac{1}{\pi n} \cos \frac{\pi nt}{4} + C$$

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$$\int t \cdot \sin \frac{\pi n$$

$$f(t) = \frac{4}{2} + \sum_{n=1}^{\infty} \left(\frac{2}{\pi n} \cdot \sin(n\frac{\pi}{4}t)\right)$$

$$f(t) = 2 + \sum_{n=1}^{\infty} \left(\frac{2}{\pi n} \cdot \sin\frac{\pi nt}{4}\right) \quad \left(\text{protectors}\right) \quad \text{a fin} = 3 - \frac{2}{4}t \quad \text{protectors} \quad \text{a fin} = 3 - \frac{2}{4}t \quad \text{protectors} \quad \text{protectors}$$

$$f(t) = 2 + \sum_{n=1}^{\infty} \left(\frac{2}{\pi n} \cdot \sin\frac{\pi nt}{4}\right) \quad \left(\text{protectors}\right) \quad \text{a fin} = 3 - \frac{2}{4}t \quad \text{protectors}$$

$$f(t) = 2 + \sum_{n=1}^{\infty} \left(\frac{2}{\pi n} \cdot \sin\frac{\pi nt}{4}\right) \quad \left(\text{protectors}\right) \quad \text{a fin} = 3 - \frac{2}{4}t \quad \text{protectors}$$

Něktoré kroky na tomto listu rejsou podrobně rozepsány, protože jsou vcelku zjevné a preakticky shoché s knoky na prvním listu.

Přeji pěkný den!