$$\frac{3y+4}{y^{2}+x-6} = \frac{3y+4}{(x-2)(x+3)} = \frac{A}{x-7} + \frac{B}{x+3} = \frac{Ax+3A+Bx-2B}{x^{2}+x-6}$$

$$\begin{cases} A+B=3 & 5A=0 \\ 3A-2B=4 & A=2 \\ B=1 & \end{cases} = -(1-\frac{x}{2})^{-1} + \frac{1}{3}(1+\frac{x}{3})^{-1} = \frac{A}{x+3} + \frac{A}{x+3}$$

$$R = \frac{1}{\sqrt{2}}$$

$$NII(4)$$

$$Y = \frac{1}{\sqrt{2}}$$

$$= \frac{1}{\sqrt{2}} \left( \frac{1}{\sqrt{2}} \times \frac{1}{\sqrt{2}$$

$$\frac{\sqrt{30(4)}}{\sqrt{30(4)}}$$
\( \text{ ourcess} \frac{\text{k}}{\text{\chi^2 + g^1}} \) = \frac{-1}{\text{\left} \frac{\chi^2 + g^1}{\chi^2 + g^1}} \frac{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} {\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\chi^2 + g^1} \frac{\chi^2 + g^1}{\text{\chi^2 + g^1}}} = \frac{-1}{\text{\chi^2 + g^1} \frac{\chi^2 + g^1}{\text{\chi^2 + g^1}}} = \frac{-1}{\text{\chi^2 + g^1}} \frac{\chi^2 + g^1}{\text{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1}} \frac{\chi^2 + g^1}{\text{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1}} \frac{\chi^2 + g^1}{\text{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1}} \frac{\chi^2 + g^1}{\text{\chi^2 + g^1}} = \frac{-1}{\text{\chi^2 + g^1}}

$$\int_{1}^{\infty} \frac{(2n+1)}{n!} x^{2n} dx = \sum_{n=0}^{\infty} \int \frac{(n+1)}{n!} x^{2n} dx = \sum_{n=0}^{\infty} \frac{x^{2n+1}}{n!} = xe^{x^{2}}$$

$$\cdot (xe^{x^{2}})^{1} = e^{x^{2}} + x \cdot e^{x^{2}} \cdot 2x = e^{x^{2}} (1+2x^{2})$$

$$\cdot \int_{0}^{x} \frac{\sin t}{t} dt = f(x)$$

$$(\int_{0}^{1} - \frac{\sin x}{x} - \frac{\sum_{n=0}^{\infty} (-t)^{n} x^{2n}}{(2n+t)!}$$

$$f(x) = \sum_{n=0}^{\infty} \frac{(-t)^{n} x^{2n+1}}{(2n+t)!} \cdot R = \infty$$

$$\int_{0}^{1} (x) - \int_{0}^{1} e^{-x^{2}} \cdot x \neq 0$$

$$\int_{0}^{1} (x) - \int_{0}^{1} \frac{1}{x^{2n}} e^{-x^{2n}} \cdot x \neq 0$$

$$\int_{0}^{1} (x) - \int_{0}^{1} \frac{1}{x^{2n}} e^{-x^{2n}} \cdot x \neq 0$$

$$f''(x) = \begin{cases} (-\frac{6}{x}e^{\frac{1}{x}} + \frac{4}{x^{2}}e^{\frac{1}{x^{2}}}), & \neq 0 \\ 0, x = 0 \end{cases}$$

$$f''(x) = \begin{cases} P_{3n}(\frac{1}{x}), & \neq 0 \\ 0, x = 0 \end{cases}$$

$$f(x) = \begin{cases} P_{3n}(\frac{1}{x}), & \neq 0 \\ 0, x = 0 \end{cases}$$

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