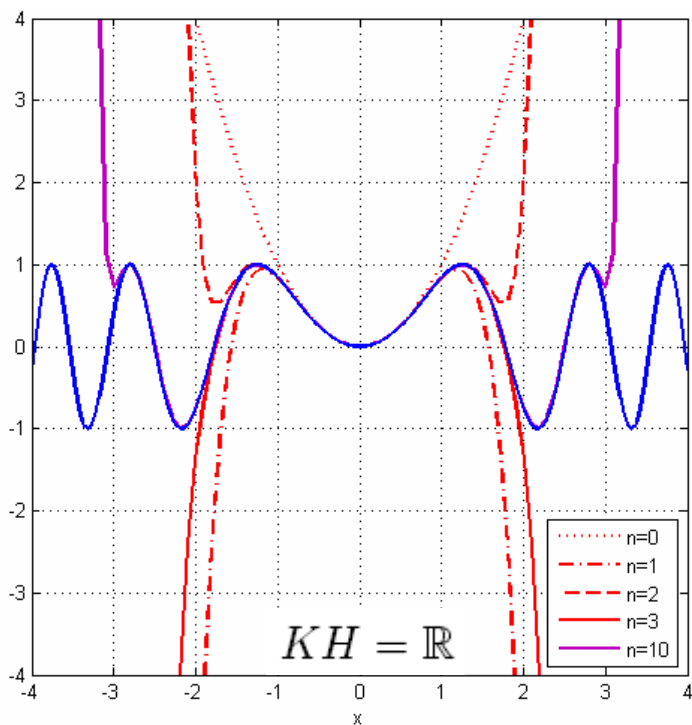
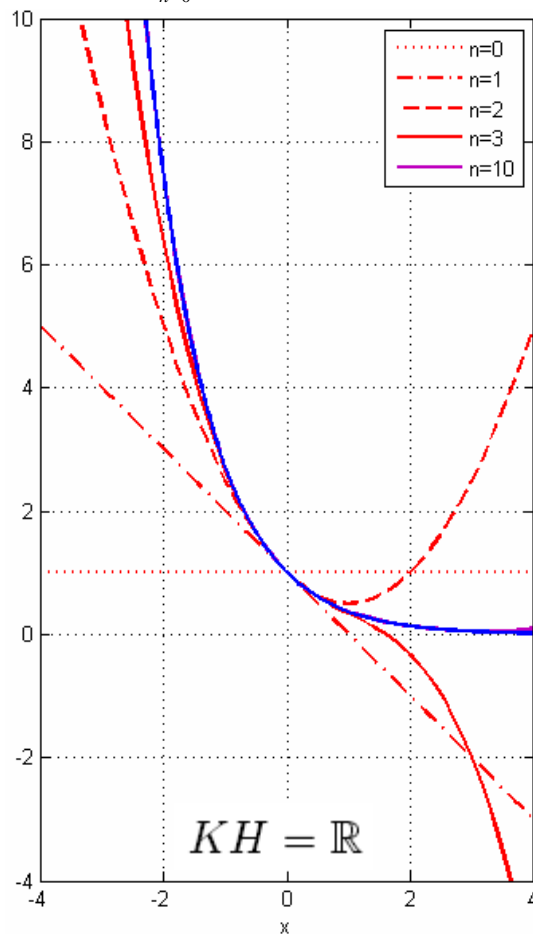


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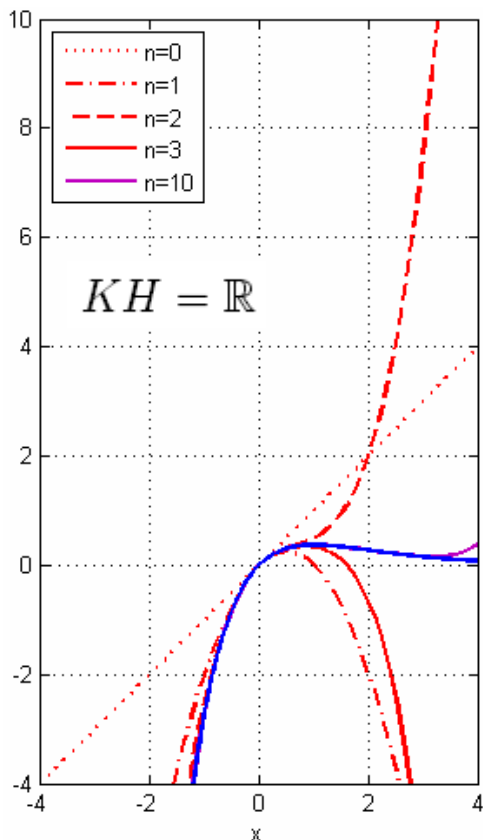
$$\sin x^2 = \sum_{n=0}^{\infty} \frac{(-1)^n}{(2n+1)!} x^{4n+2} = x^2 - \frac{x^6}{3!} + \frac{x^{10}}{5!} - \frac{x^{14}}{7!} + \dots$$



$$e^{-x} = \sum_{n=0}^{\infty} \frac{(-1)^n}{n!} x^n = 1 - x + \frac{x^2}{2!} - \frac{x^3}{3!} + \dots$$



$$xe^{-x} = \sum_{n=0}^{\infty} \frac{(-1)^n}{n!} x^{n+1} = x - x^2 + \frac{x^3}{2!} - \frac{x^4}{3!} + \dots$$



$$\frac{x^2}{1+x^2} = \sum_{n=0}^{\infty} (-1)^n x^{2n+2} = x^2 - x^4 + x^6 - x^8 + \dots$$

