For
$$\int_{0}^{2} \left(\frac{1}{2}\right) dx = 1$$
 $\int_{0}^{2} \left(\frac{1}{2}\right) dx = 1$ $\int_{0}^{2} \left(\frac{1}{2}\right) dx$

$$= 2\left(1 - \frac{1}{2} + \frac{1}{2^{2}}\right)^{2}$$

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

$$+ 0\left(\frac{1}{2^{2}}\right)$$

$$= 2\left(1 - \frac{1}{2x} + \frac{1}{2x^{2}} - \frac{1}{8} + \frac{1}{2^{2}} + o\left(\frac{1}{2^{2}}\right)$$

$$= 2\left(1 - \frac{1}{2x} + \frac{3}{8} \times \frac{1}{2^{2}} + o\left(\frac{1}{2}\right)$$

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$$3\sqrt{23} + 2^{2} + 1 + \sqrt{2} - 2 + 1$$

$$= 2 + \frac{1}{3} - \frac{1}{3} + 0(\frac{1}{2}) + 2 - \frac{1}{2} + \frac{3}{8} + 2$$

$$f(x) = 2x - \frac{1}{6} + \frac{19}{72} + 0(\frac{1}{2})$$

$$2y = 2x - \frac{1}{6} = 2 + \frac{1}{2} + \frac{19}{72} + 0(\frac{1}{2})$$

$$f(x) = \frac{1}{2} + \frac{1}{2}$$

 $Pq : f(se) = \frac{o(x^2)}{x^2 \cdot o(x^2)}$ Vecteur IR9 F ser de [R Base de F: se = -4 +2 +4 (x, y, z, t) = (-y + z + t, y, z, t)remplacer y (-1, 1,00) + 2(-1,0,10) + + (1,0,0,1) decomposer def Berre



