Mat-IIVF110 i L 2016

Del 1.

1 Ura w taylorpolyrout til free & avgrad 1.

$$f(a) = 1^{2}$$

$$f'(x) = 2^{2}$$

$$f(a) = 1$$

2 Muse w Taylorpolyrout tail fax = hroy on good?

$$Tr f(a) = \sum_{k=0}^{\infty} \frac{(\ln x)^{(k)}}{k!} (\ln x)^{(k)} (\ln x)^{(k)}$$

$$f(a) = \ln 1 = 0$$

$$f'(x) = \frac{1}{\sqrt{2}} \Rightarrow f(x) = 1$$

$$f''(x) = (-x^{2})^{2} = \frac{1}{\sqrt{2}} \Rightarrow f(x) = 1$$

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$$|| (x - 1)| - \frac{1}{2} (x - 1)^2 + \frac{1}{3} (x - 1)^2$$

$$T_{\perp}/(0) = 0 + 1(x-0)^{1}$$

$$= \alpha$$