

RTAS

$$f'_1(x) = x^2$$

$$f'_2(x) = \frac{-1}{2x^3}$$

$$f'_3(x) = \frac{-2}{(x-1)^2}$$

$$f'_4(x) = 20x^3 - 15x^2 + 24x + 3$$

$$f'_5(x) = \frac{-36}{x^7}$$

$$f'_6(x) = -\frac{9}{x^4} - \frac{8}{x^3}$$

$$f'_7(x) = \frac{-1}{\sqrt{x^3}}$$

$$f'_8(x) = \frac{3}{2}\sqrt{x}$$

$$f'_9(x) = \frac{1}{3\sqrt[3]{x^2}} + \frac{1}{\sqrt{x}}$$

$$f'_{10}(x) = \frac{3x^2 + 1}{2}$$

$$f'_{11}(x) = \frac{6}{x^4} - \frac{10}{x^3} - 5$$

$$f'_{12}(x) = \frac{3}{2}\sqrt{x} - \frac{5}{2\sqrt{x^7}}$$

$$f'_{13}(x) = \frac{6x^5 + 36x^4 + 32x + 64}{(x^2 + 4x)^2}$$

$$f'_{14}(x) = \frac{-x + 1}{2\sqrt{x}(x + 1)^2}$$

$$f'_{15}(x) = 5x^4 \ln(x) + x^4$$

$$f'_{16}(x) = -\frac{\text{sen}x}{5}$$

$$f'_{17}(x) = \frac{2x \cos x + \cos x - 2x \text{sen}x - 36x}{(2x + 1)^2}$$

$$f'_{18}(x) = \frac{6e^x(x + 1)}{x^2}$$

$$f'_{19}(x) = \frac{2e^x \text{sen}x - 12x^4 \ln x - 2e^x + 3x^4}{(\ln x)^2}$$

$$f'_{20}(x) = \frac{\text{sen}x}{x} + \frac{\cos x}{x} - 6e^x \cos x + \ln x \cos x - \ln x \text{sen}x$$