| E. Differentiation formulas, polynomials, products, quotients

$$f(x) = x_{10} + 3x_2 + 2x_3 + 4$$

$$f_1(X) = 10x_d + 12x_n + 9x_y$$

14)

$$f(x) = \frac{3}{x} + \chi_1$$

$$f_{\lambda}(x) = \frac{7}{7}$$

2b)

$$f(x) = x^6 + 5x^5 + 4x^3$$

$$\int f(x) = \frac{x^{3}}{7} + \frac{5x^{6}}{6} + x^{4} + ($$

$$y'=0$$
 at $x=1,\frac{1}{3}$

46)

5a)

$$\frac{\sqrt[4]{x}}{\sqrt[4]{x}} = \frac{(x+1)_y}{(1+x)-1\cdot x} = \boxed{\frac{(x+1)_y}{1}}$$

$$\frac{\sqrt{\lambda}}{\sqrt{\lambda}}\left(\frac{\lambda_{y}-1}{\lambda+y}\right) = \frac{(\lambda_{y}-1)-y\lambda(x+y)}{(\lambda_{y}-1)-y\lambda(x+y)} = \frac{(\lambda_{y}-1)_{y}}{-\lambda_{y}-\lambda(x-1)}$$