## 9. gyakorlat

$$\lim_{(t,\eta)\to 0} \frac{3 \times y^3}{4 \times 15 y^2} = \lim_{t\to 0} \frac{3 \times (t)^2 \cdot (t)^2 \cdot$$

$$\lim_{x\to 0} \frac{4x^2}{5x^2} = \frac{4}{3}$$

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$$\lim_{y\to 0} \frac{7y^2}{7y^2} = \frac{4}{7}$$

$$f(x_1y) = \frac{y^3 e^{x^3+y}}{(+y^3+2)} + \ln(y^1+y) - (3 \times -1)^4$$

$$f_{\times}(y_1y) = \frac{y^3 e^{x^3+y}}{(+y^3+2)} + 0 - 12(3 \times -1)^3$$

$$f_{\times}(x_1y) = \sqrt{3 x^2 + 7(y_1y^1)}$$

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$$\frac{\int_{0}^{1} (x,y)}{2\sqrt{3x^{2}+7(y+\eta)^{4}}} \cdot 28(y+\eta)^{3} \ln (ki\eta) \pm (o_{i}\eta)$$

$$\lim_{y\to -1} \frac{\int_{0}^{1} (y+\eta)^{4}}{y+\eta} = 0$$

Totalio derivoil +

$$\int_{1}^{1} (x_{1}y) = \frac{2 \times (4+8)(x_{1}+4) - x_{1}(4+3)x_{1}}{(x_{1}+4)^{2}} - x_{1}(4+3)x_{1} - x_{2}(4+3)x_{1}$$

$$f(x_{i}y) = 4(x-3y)^{3}-6 + 4 4y^{2}$$

$$f'_{\chi}(x_{i}y) = 12(x-3y)^{2}-6$$

$$f'_{\chi}(x_{i}y) = -36(x-3y)^{2}-6$$

$$f'_{\chi}(x_{i}y) = -36(x-3y)^{2}+8y$$