AVALIAÇÃO 2 Renan Carlos Locuenatein (1) f(x,y) e f(y,x) para $m\sqrt{x^2+y^2}$ ((x,y) = lm(x2+y2)1/2 x2+v211/2+1/2 credeal 2xy3+3x2y2

Complimitation a 2...

$$\frac{dz - (2) + (-3) + 3}{dt - (+2)} + \frac{3}{t^8} = \frac{1}{t^8}$$

$$\frac{dz - (2) + (-3) + 3}{t^8} + \frac{1}{t^8} + \frac{1}{t^8}$$

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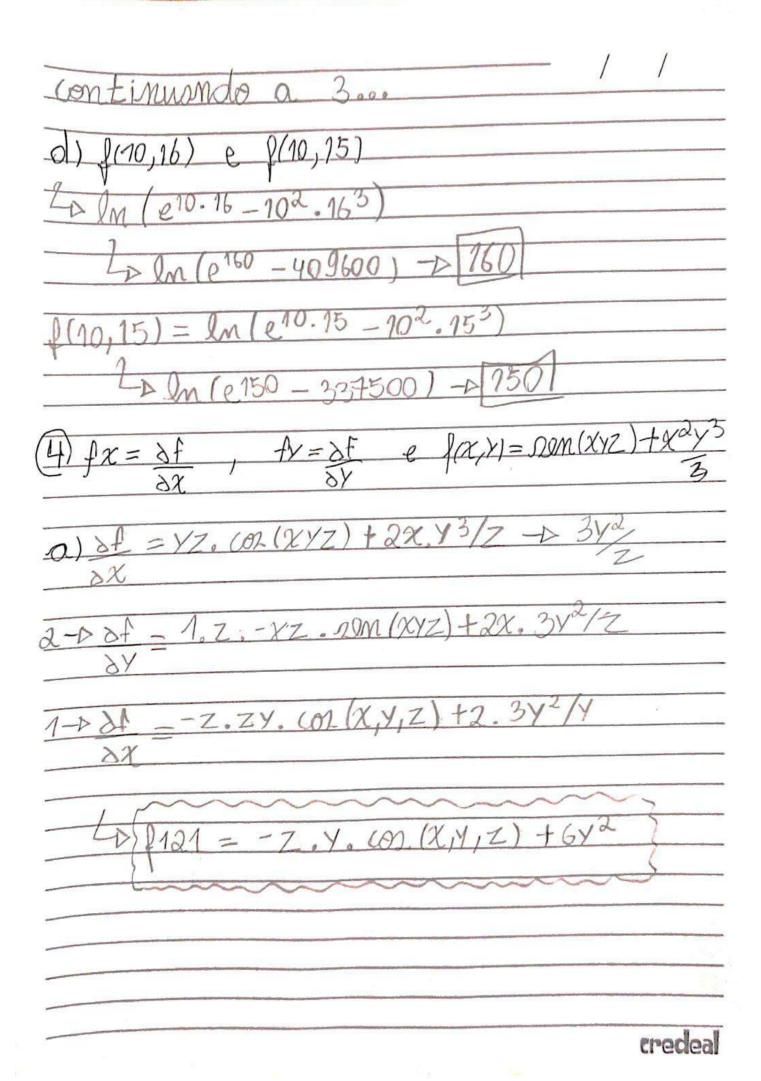
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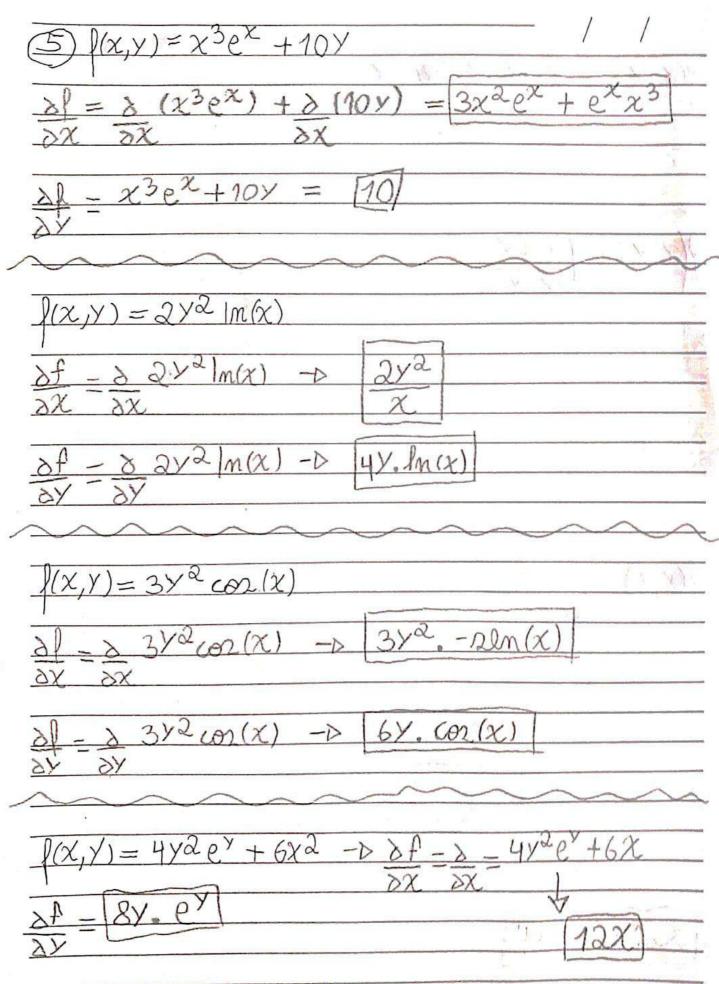
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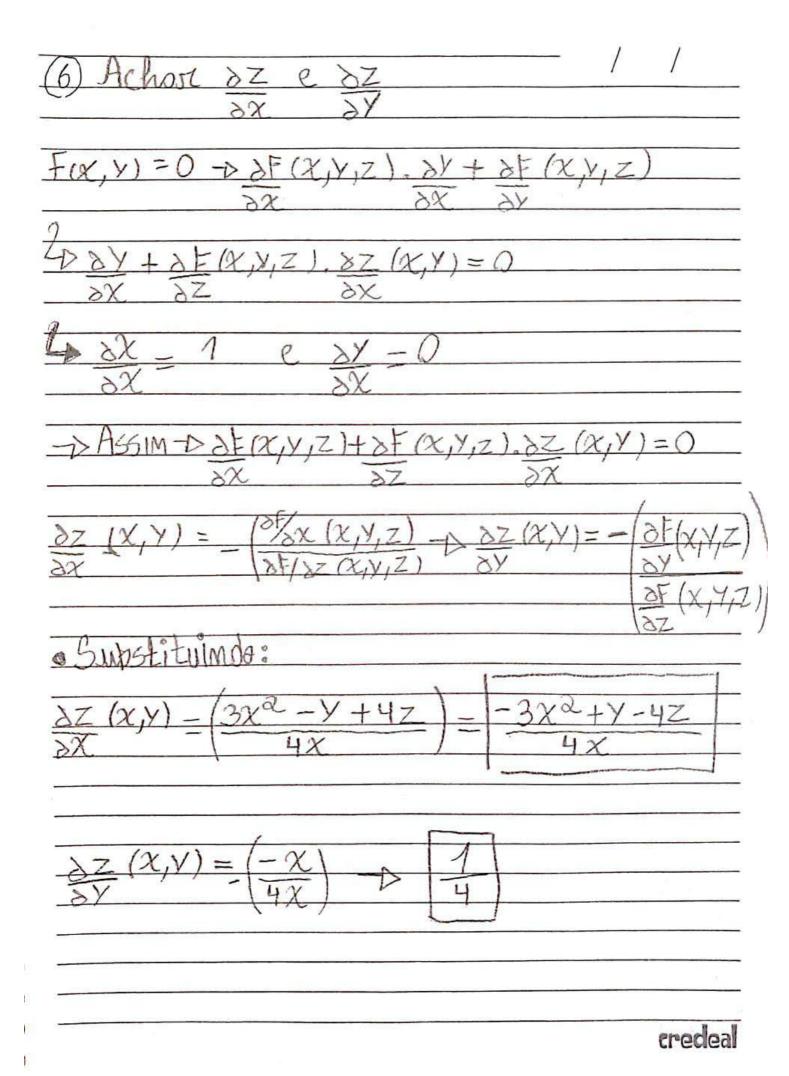
$$\frac{dz - (2) + (-3) + ($$

 $f(x,y) = \ln(e^{xy} - x^2y^3)$ 10, 15) exy, y-axy3 1 PXY-72y3 $\frac{-e^{\chi y} \cdot y - 2\chi y^3}{e^{\chi y} - \chi^2 y^3} \xrightarrow{-\chi^2} \frac{y - 2\chi}{-\chi^2}$ bstituinda -D15-2.10 - -5 -102 100 Dr. 1(11, 15) e 1(10, 15) P(11,15) = lm (e"1.15 - 112.153) e165 - 408.375 lm (e10.15 -102.153 ~ lm(e150-337.500 y(10,15) D 24 (10,15) = 10-3 credeal



continuando a 4.00
b) (221
$\frac{2-\sqrt{2f}-\chi_{y}}{2x}$
2-D OF = XZ-XZ 22m (X, Y, Z) + X2.64 DY
1-> of Z2YZ 601 (X,Y,Z)+2X.6Y
$\int 201 = -Z^2 y \cos(x, yz) + 2x \cdot 6y$
<u>C)</u> \$332
$\frac{3+\delta f}{\delta z} = \frac{\chi y - \chi_{\bullet} y_{\bullet} \cdot nm(\chi yz) + \chi^{2} \cdot (-y^{3})}{\delta z} = \frac{2y^{3}}{z^{3}}$
$\frac{3-D}{\delta z} \frac{\partial f}{\partial z} = \chi V - \chi Y \cdot Rem(\chi Y_7) + \chi^2 \left(\frac{\chi Y^3}{33}\right)$
$\frac{2+\lambda}{\partial y} = \frac{-\chi^2 \chi_Z}{(2)} \cos(\chi_{\chi Z}) + \chi^2 \sin(\frac{6y^2}{23})$
$\frac{2}{2} \left(\frac{1}{532} = -x^3 \cdot z \cdot (on(xyz) + x^2 \cdot (6y^2) + x^2 \cdot (6y^2) + x^3 \cdot z \cdot (on(xyz) + x^2) \right)$
credeal





2 de móximo e mínimo / (200)-D (3/2+3x2-3, 6x = de minimo para (x,y) =