(1148) dx = dy = dz x+2 = x+y Vo 7 $\frac{d(x-y)}{x-y} = \frac{d(y-z)}{y-z}$ ln |x-y| = ln | y-2| + ln C1 x-y = 0, (y-2) A) grad again 2) $\frac{dx + dy + dz}{2(x+y+z)} = -\frac{dx-dy}{(x-y)}$ d(x+y+z) = -d(x-y) 2(x+y+z) = -x-y 1 ln | x+y+2 = - ln |x-y| + ln C2 $(x+y+z)(x-y)^2-C_2$ 13-go, x-y=c, (y-z) (x+y+,z)(x-y)2=C2

$$\frac{dx}{z} = \frac{dy}{x^{2}} = \frac{dz}{y}$$

$$\frac{dx}{z} = \frac{dy}{x}$$

$$\frac{x^{2}}{z} = \frac{dy}{x}$$

$$\frac{x^{2}}{z} = \frac{dy}{x}$$

$$\frac{x^{2}}{z} = \frac{dy}{z}$$

$$\frac{x^{2}}{z} = \frac{dz}{z}$$

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$$\frac{x^{2}}{z} = \frac{dz}{z}$$

$$\frac{x^{2}}{z} =$$

(155)
$$\frac{dx}{y^2} = \frac{dy}{y^2} = \frac{dz}{xy \sqrt{z^2+1}}$$

(1) $\frac{dx}{y^2} = \frac{dy}{y^2} \Rightarrow x = C_1 y$
 $\frac{dy}{y^2} = \frac{dz}{C_1 y^2 \sqrt{z^2+1}}$
 $C_1 \cdot \frac{y^2}{y^2} = \frac{1}{\sqrt{z^2+1}} \cdot \frac{7z^2+1}{2} \cdot \frac{2z}{\sqrt{z^2+1}}$
 $C_1 \cdot \frac{y^2}{y^2} = \sqrt{z^2+1} + C_2$
 $\frac{dy}{x^2} = \frac{1}{\sqrt{z^2+1}} \cdot \frac{2z}{\sqrt{z^2+1}} = C_2$
 $\frac{dy}{x^2} = \frac{dz}{\sqrt{z^2+1}} + 2C_2$
 $\frac{dy}{x^2} = \frac{dz}{\sqrt{z^2+1}} = \frac{dz}{\sqrt{z^2+1}} = C_2$
 $\frac{dy}{y^2} = \frac{dz}{z^2} \Rightarrow C_1 = \frac{dz}{z}$
 $\frac{dy}{y^2} = \frac{dz}{z^2} \Rightarrow C_1 = \frac{dz}{z}$
 $\frac{dy}{z^2} = \frac{dz}{z^2} \Rightarrow \frac{dz}{z^2} \Rightarrow \frac{dz}{z^2} + (C_1^2+1)z^2 dz$
 $\frac{dx}{z^2} = \frac{x + (C_1^2+1)z^2}{z^2} \Rightarrow \frac{x}{z} + (C_1^2+1)z^2 dz$
 $\frac{dx}{z^2} = \frac{x + (C_1^2+1)z^2}{z^2} \Rightarrow \frac{x}{z^2} + (C_1^2+1)z^2 dz$
 $\frac{dx}{z^2} = \frac{x + (C_1^2+1)z^2}{z^2} \Rightarrow \frac{x}{z^2} + (C_1^2+1)z^2 dz$
 $\frac{dx}{z^2} = \frac{x^2+1}{z^2+1} + C_2z = (\frac{x^2}{z^2}+1)z^2 + C_1z = \frac{x^2+1}{z^2+1} + C_2z = \frac{x^2+1}{z^2$

$$C_{2} = \frac{1}{Z} - \frac{1}{Z} - \frac{1}{Z}$$

$$M58 - dx = \frac{1}{2} = \frac{1}{2}$$

$$\int_{-\frac{1}{2}}^{2} dx + \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

$$\int_{-\frac{1}{2}}^{2} dx + \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

$$\int_{-\frac{1}{2}}^{2} dx = \frac{1}{2} = \frac{1}{2}$$

Xy+ 22 = C3 ln 1x1+ ln 121 = ln C2 1 xy+22= C3 1 × 2 = C2 (1162) X = xy, y = x2+y2; 4, = x lny - x2y, 42 = y2 - 2 lnx Denistaku 9, = C1, TO de (4,) =0 OTne, & (x lny-x2y) =0, ado × lng + ×9 - 2 x x y = x 2 y = 0 Tige rabubum, maemo: xy luy + \frac{1}{9} (x^2 + y^2) - 3x^2y^2 - x^4 = 0 ilk bugno, ye meno nombo, to my

4, = C, me & interparon your p-me d (d2) = 0, a50 d (y - 2 ln x) = 2 y y x - 2 x x y = 7 - 2x = 0

 $xy(x^2+y^2)-xy^3-x^3y=0, x\neq 0$ OTRIE, 12 = C2, a ye oznazae, yo нам вираз є першим с'итеграном ganoi cucremu