$\frac{1}{2}$  =  $\int_{M} e^{\frac{1}{2}} du$  ,  $u = x_{5}^{2} - 3y$ ,  $v = 2x - \cos y^{2}$ de = 2 du + 2 dv , du = v2 de + vydy , dv = v2 de + vydy  $\frac{3}{2} = e^{u^{2}}, \quad e^{i}_{x} = e^{u^{2}}$   $\Rightarrow de = e^{u^{2}} \left( 2e dx + (-3) dy \right) + e^{u^{2}} \left( 2e dx + 3y \sin y^{2} dy \right)$   $= \left( e^{(2-3y)^{2}} \left( 2x dx - 3dy \right) + e^{(2x-usy^{2})^{2}} \left( 2e dx + 3y \sin y^{2} dy \right)$ 

$$\frac{8\alpha^{2}}{2!4} = e^{\frac{1}{2}} \left( \frac{1}{2} + \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} \right) = e^{\frac{1}{2}} \left( \frac{1}{2} + \frac{1}{2} \right)$$

$$\frac{1}{2} = e^{\frac{1}{2}} \left( \frac{1}{2} + \frac{$$

Dien' dung D A tet luin
Diem' duing D A tet luin  My (0,10) 0 My let diem' right night
M_ (-1-1-1-) - + M2 le stein' cu'c tien'
$M_3\left(-\frac{1}{2\pi i}\right)\frac{1}{2\sqrt{2}}$ + them' cope ties'
$\pm (0,0) = 0$
Vot x=y= 1 the x(1) = 1
$M(x_1x) \in -2_8(M_1)$
$\Delta f(W_1) = f(W_1) - f(W_1) = \kappa_3 + \kappa_5 \kappa_4$
$ext{(1+2x)}$ $ext{(1+2x)}$
sf(M1) < 1 now - 1 < x < 0
> My không là vic trì
2 da . += 1(x1y) = x+ dy (1) voi tien kien x+1/2 = 5
Ham Lagrange L(xyy) 2) = x + dy + 2 (x2+y2-5)
1/2=0 / 1+2x=0 / X= -ax
$  \begin{array}{c}   \begin{array}{c}   \begin{array}{c}   \\   \\   \\   \\   \\   \\   \\   \\   \\   $
y  = 0 $ y  = 0$ $ y  = -2$
» -1 +-1 = 5 » 1== 2
= Hain (2) (d at disting A1 (-1,-2, 2), A2 (1,2,-2)
$L_{y2}^{"}=2\lambda$ , $L_{yy}^{"}=0$ , $L_{yz}^{"}=2\lambda$
$\Rightarrow d^2L = ax dx^2 + ax dy^2$
$\frac{d^2L}{dt} = dx dx^2 + dx dy^2$ $\frac{d^2L(x_1y_1x_0)}{dt} = \frac{d^2L(x_1y_1x_0)}{dt} = \frac{1}{2} \frac{dx^2}{dt} = $
A1(-1-21=) > M1(-1-2) là diem' cu'c tresi > 2= = 2mis = -5
As $(1,2)$ $=$ $\frac{1}{2}$ $=$ $=$ $\frac{1}{2}$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$

226. flage) = xye that most state fish x+y+2=5, xy+y++=x=8 xy+y2+2x=8 > xy2+22(x=y)=82  $g(a) = 34^2 - 102 + 8 = 0$   $\Rightarrow$   $y = 2 - 2^2 (5 - 2) = 2^3 - 52^2 + 82 = 9(2)$  $g(a) = 34^2 - 102 + 8 = 0$   $\Rightarrow$   $\begin{bmatrix} 2 = 4 \\ 2 = 4 \end{bmatrix}$  $V_{x} = 2 \quad \text{taw} \quad \begin{cases} x_{y} = 5 \\ x_{y} = 4 \end{cases}$   $x_{y} = 2 \quad \text{taw} \quad \begin{cases} x_{y} = 2 \\ x_{y} = 4 \end{cases}$   $x_{y} = 2 \quad \text{taw} \quad \begin{cases} x_{y} = 2 \\ x_{y} = 4 \end{cases}$   $x_{y} = 2 \quad \text{taw} \quad \begin{cases} x_{y} = 2 \\ x_{y} = 4 \end{cases}$  $V_{x} = \frac{4}{3}, \text{ to } \omega = \frac{1}{3}, \text{ to } \omega =$ Barg been this g(=) You hain is is a distin' suic tien' la My (1,2,12) va M2 (2,1,12), #cr = 4 Hain so co 2 trem we tai le M3 (\$ 15/\$) \$ ve 14 (\$ 3/3/\$) 1 fc = 42 \$ 2.3 a. GTLM, GTRN was f(xy) = xxy trong ruck D= (xxy) | x2xy2 <1} + Xof trus mich trong was D: int ) = U = \( (x,y) | x2+y2 <1 \) 1 = 0 (vely) \* Not tai can train' thurse him and D  $3D = \frac{1}{2}(x_1y_1) | x^2 + y^2 = 1$   $y^2 = 1 - x^2 \Rightarrow \frac{1}{2}(x_1y_1) = \frac{1}{2}(x_1) = \frac{1}{2$ 









