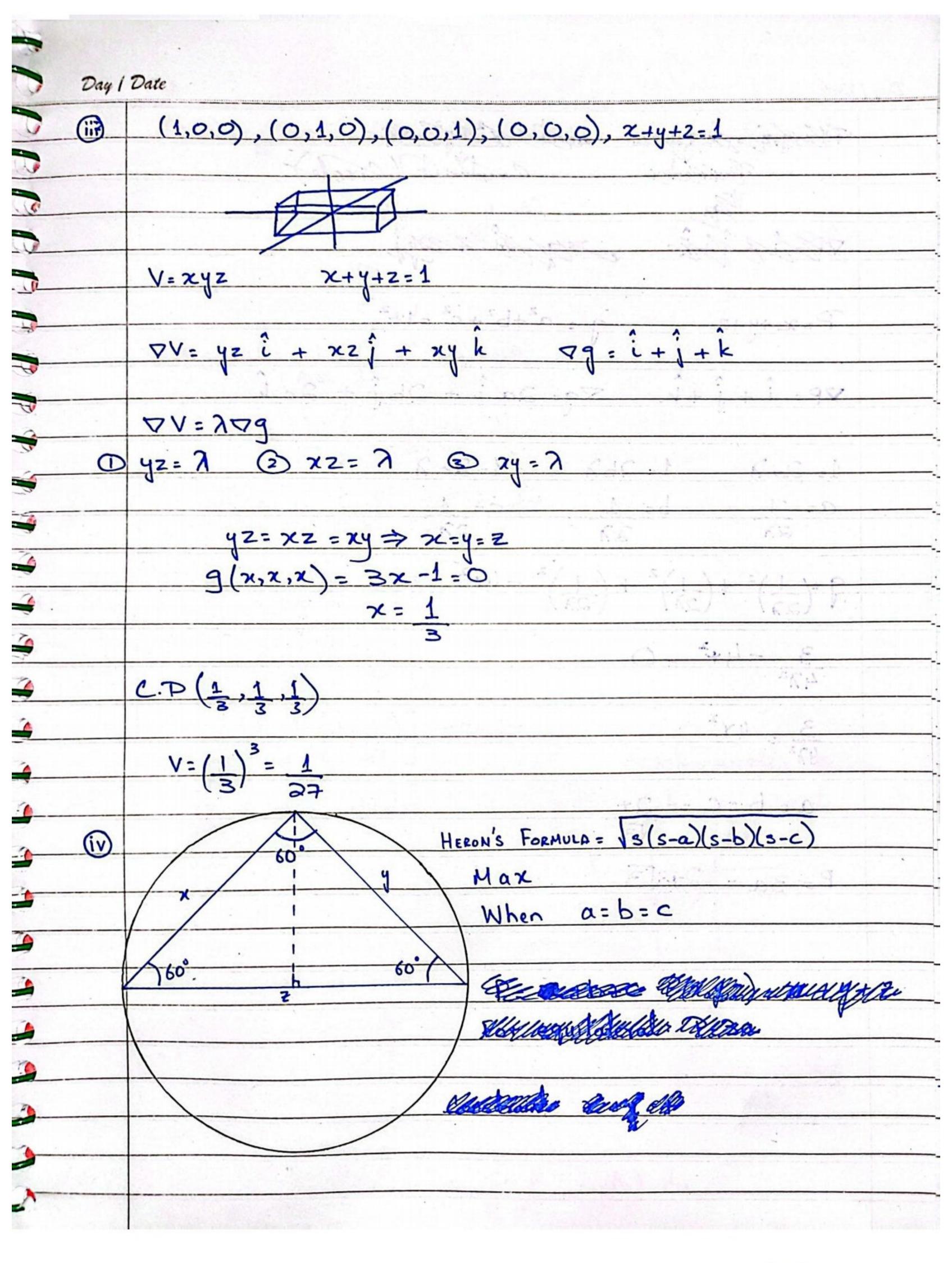
y / Date	
y=x2 from the point (0,3):	
$D(x_1) = \sqrt{(x-0)^2 + (y-3)^2}$	5-50145x=(n,x)2 000
$\int_{0}^{2} (x,y) = x^{2} + (y-3)^{2}$	76-30-1-17-12-V
721 2 2 1 2 3 2 2 4	
$D(x,x) = x + (x-3) = x + x - 10x + 0$ $D'(x,x^2) = 4x^3 - 10x + 0$	81 - 1(c-xc)
$0 = 4x^3 - 10x$	
$2x(2x^2-5)=0$	R = (1-x)s
$x = 0$ $= 1$, $x = \frac{1}{5}$	At A = X
y=0, y=5	
+=(1-6)8+1+6	= (1 - A - 1 + A) P
$(0,0)$, $(\sqrt{5},\frac{5}{2})$, $(\sqrt{5},\frac{5}{2})$	
Minimum Point	
$D^{2}(\chi, y) = \chi^{2} + (y-3)^{2}$	
D(0,0)= (0-3)2	(a) - 2 = x (b)
D(0,0)= 3 Ai.	<u> </u>
	(1.8)9:5
0 2 3 18 48 4	S-x5.7
8 3 00 7	S: 2
2 (1,2) G) O = 1 -6 no 30 8	< 5/1- 9 2
	LE MI
FG = 8 + 6 1 + 76 = 7 1 = 19	
FG = 8 := c1 - P + 2C = (1,c)?	: sulay momint!
FG = 8 = -1 + 20 = (1, a) }	: sulav mini. 1











Bleston and stay -	E (0,1,0), (0,1,1) (III
Bernetex Constraint	(circle)
Ego.	
Wind in any Sila My	
and the contraction	STRAN SPX SV
P=x+4+2 9= a2+62+c2=4x	
$P = x + y + z$ $q = a^2 + b^2 + c^2 = 4y$	1 5 N 4 1 3 5 U - VV
	1 0 1
P= i+1+k \q= 2ai+26	
	PZK = VV
1= 2a \ 1= 2b \ 1= 2c \	hess (s) A ssy (D)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	= px = xx = xp
$9=(1)^2+(1)^2+(1)^2-44^2$	SE = (x, x, x) P
Y TO STORY OF THE PARTY OF THE	
3 -4+2 = 0	
472	(1,1,2) (7.3)
3 4x2	
42	1 2/11-11
	F1G 2
a=b=c=2+ (a=a)(d=2)(a=2)(3 = a)umsa7 = a unasH	
P= 3a = 2+13	
and ex model /	
No. 12 No. of the Property of	
and in the self-dispersion of the	
Special second second second	
the control of the control of the state of the control of the cont	





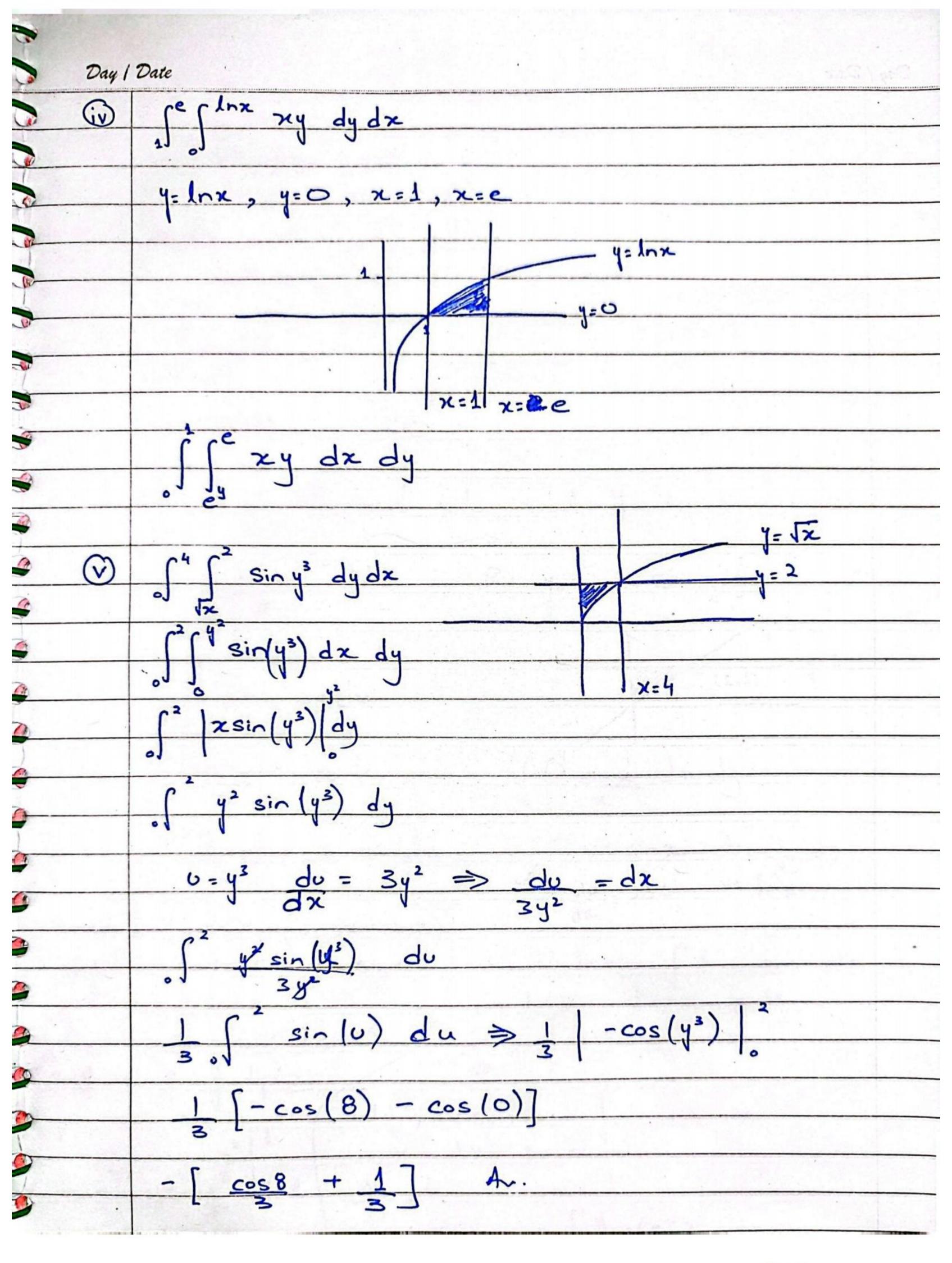
Qa ①	$f(x,y) = \int xy$, Rectangle: (0,0)(4,0)(4,3)(0,3)
	(6,3)
	(4,0)
	Avg Val = 1 \(\int (x,y) dA
	= 1
	$= \frac{1}{12} \cdot \frac{1}{2} \cdot \int_{1}^{4} \left \frac{xy^{2}}{2} \right ^{3} dx$
	- 1 (4 Ax dx
	24 .) 2
	24 4 1.
	= 1 9(16) = 3 24 [41] = 3 Cashing order: East
(ii)	\(\int{\text{x}} \int_{\text{y}} \alpha \text{y} \\ \dx \\ \dx \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	x cosy2 dx dy (2,4) 4=4
	$\int_{0}^{4} \left[\frac{\chi^{2}}{2} \cos^{2} \right]_{0}^{\sqrt{3}} dy$
	(1/1/2)2 cosy2 dy w=y dv=cos(4)
	1 5 4 4 cos(43) ga
	$\int_{\alpha}^{\alpha} \int_{\alpha}^{\alpha} \frac{\cos(u)}{2} du = \int_{\alpha}^{\alpha} \int_{\alpha}^{\alpha} \cos(u) du$



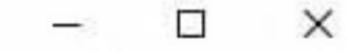












Function Geometry with Constraint

