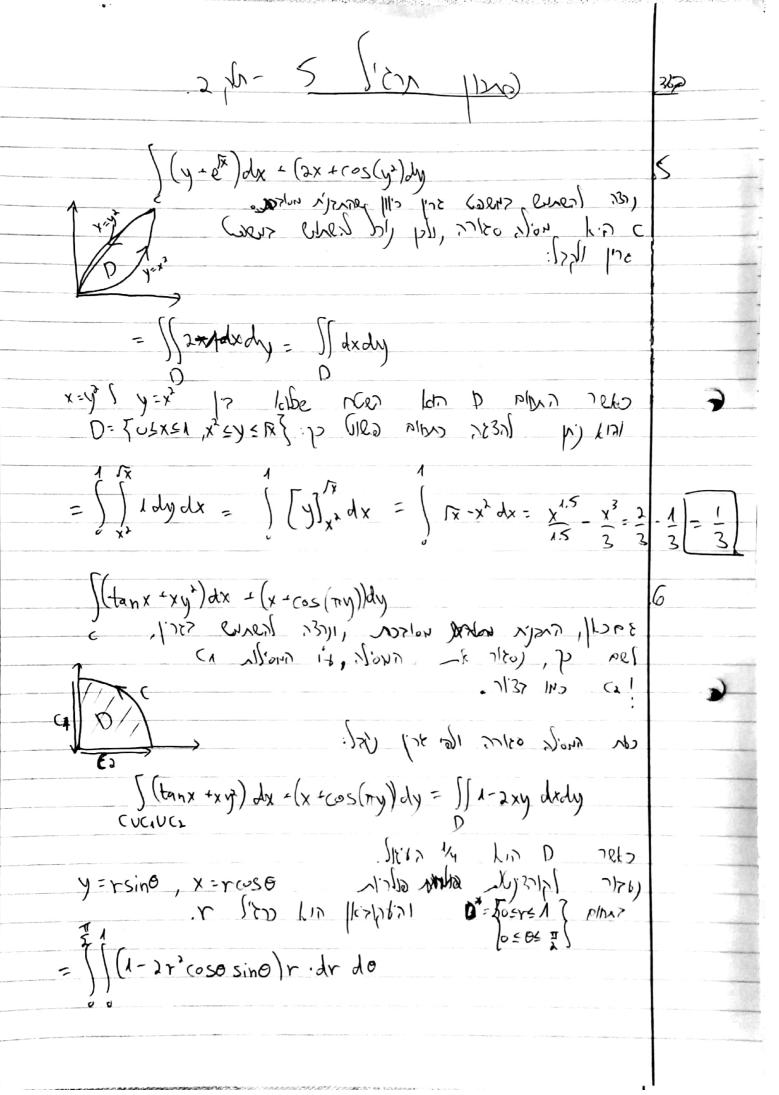
Scanned with CamScanner

A "LOS L'A Malbara (2) 73'11'7 7135 D 78ks))) (x2+y2+ 22) dxcyde(E רבצור פלואורציראע כצונות: $\iint_{\mathbf{S}} (x^2+y^2+z^2) dx dy dz = \iint_{\mathbf{S}} \int_{\mathbf{S}} \rho^2 \rho^2 \sin(\phi) d\theta d\phi d\rho$ = 2 T / 64 de | T sin (1) do = 4 = $z=\sqrt{x}$ 2120 $\sqrt{12}$ $\sqrt{12$ MENT PHILEIPSIT OIPRIT 20, 122 > 1/0/= C = $2\pi \int_{0}^{1} z \left[\frac{c^{4}}{4}\right]^{\frac{2^{2}}{6}} dz = 2\pi \int_{0}^{1} \frac{z^{9}}{4} dz = \frac{\pi}{20}$ ∭ (1-x) dxdydz (≥ 71e'NN = 741(e) z = 6 - 3x - 2y $0 \le z \le 6 - 3x - 2y \le 4$ $y = 3 - \frac{3}{2} x \quad \text{De'n fe aklien} \quad 3$ $0 \le y \le 3 - \frac{3}{2} x \quad \le k$



$$= \int_{1}^{\pi} \int_{1}^{1} r - 2r^{2} \cos \sin \sin \cos d\theta = \int_{1}^{\pi} \int_{1}^{1} r - r^{3} \sin 2\theta \, dr \, d\theta$$

$$= \int_{1}^{\pi} \int_{1}^{1} - \frac{\sin 2\theta}{4} \, d\theta = \frac{\pi}{4} - \frac{1}{8} - \frac{1}{8} = \frac{\pi}{4} - \frac{1}{4}$$

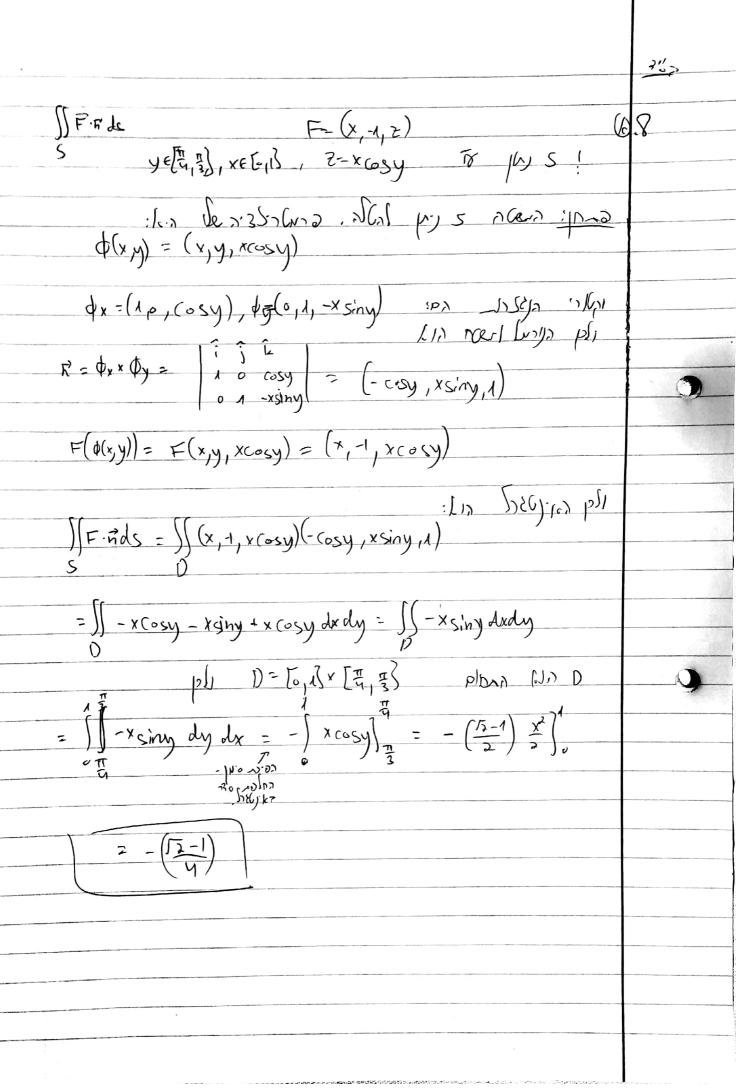
$$(A_{1}(x_{1})^{2} + \frac{1}{4} + \frac{1}{4}) = \frac{1}{8} - \frac{1}{8} = \frac{\pi}{4} - \frac{1}{4}$$

$$(A_{1}(x_{1})^{2} + \frac{1}{4}) = \frac{1}{8} - \frac{1}{8} = \frac{\pi}{4} - \frac{1}{4}$$

$$(A_{1}(x_{1})^{2} + \frac{1}{4}) = \frac{1}{8} - \frac{1}{4} - \frac{1}{4} + \frac{1}{4} = \frac{1}{8} - \frac{1}{4} + \frac{1}{4} = \frac{1}{4$$

) (x+y+z) ds le 7 X+2y+42=4 1/6/1/ Sn Lm S1 E-table - 1-7 - 1-15 g. elliss: 7-1 - 12-15 - 15-15 Lan room Gulk poll = D(x,y,f(x,y) = 1+3x - y = 1203y = 100) [(x+y+2)ds=[(1+3x+y) [dxdy :/e/n]>] - (1+3x+y) [2] dxdy = [3] 3x2+2yx 4xx dy = \[\frac{3}{2} \left(4 - 2n \right) + \quad (4 - 2n \right) dy = = 16 = (16-16y - 4y) - 8y - 4y2 + 16-8y dy = 2y3-24y+40 dy (12) = $= \int_{0}^{1} \left(\frac{2y^{3}}{3} - \frac{2yy^{3}}{3} - \frac{4yy^{3}}{3} - \frac{4yy^{3}}{3} \right) = \int_{0}^{1} \frac{112}{3} = \frac{7\sqrt{2}1}{3}$

J Z2ds yel yle von _k ph, ph, bin le xyo voe in s 2000-52, con -S1:000 [564 [74 24 6 |11.2 1 57] 24 LOS Y SEM JOS DEPLIE 7-f(x,y)=5x2y > relide 57137 834 NOVA, 52 -06647 6 $f_{x} = \frac{x}{(x^{2} + y^{2})^{2}} = \frac{1}{(x^{2} + y^{2})$ b(x'n't(x'M)= x+1/3, b(x'n'f) = 57 ('y ~1993" x.3) MORENTE CONTRACTION OF STATE OF S \$\langle \langle \langle \frac{2}{2} ds = \langle \langle \langle \langle \frac{2}{2} 41372 418.8 Julb - XX 46.41 (2000 To 1/20) D $y = r \sin \theta$, $x = r \cos \theta$: $\frac{1}{2} \sqrt{10} \sqrt{100} \sqrt{100}$ $0 \le r \le \lambda$ $\frac{1}{2} \sqrt{10} \sqrt{100} \sqrt{100} \sqrt{100}$ $\frac{1}{2} \sqrt{100} \sqrt{100} \sqrt{100} \sqrt{100}$ $\frac{1}{2} \sqrt{100}$ $\frac{1}{2} \sqrt{100} \sqrt{100}$ $\frac{1}{2} \sqrt{100}$ $\frac{1}{2}$



ארץ נחשה נורמל לישאח: וקטארי הנאברגר הח ry = (0,0,1), rv = (-sinv, C>SV,0) $\vec{R} = r_{M} \times r_{V} = 0$ of $\vec{l} = (-cos V, -sin V p)$ -sin V cos V = 0 $F(H(y,v)) = F(\cos v, \sin v, u) = (\sin v, \cos v, u)$ $\iint_{S} F \cdot R dS = \iint_{S} (\sin V, \cos V, u) (-\cos V, -\sin V, p) = \iint_{-2\sin V \cos V} du dV$ $S D D = \left\{ 4 \in [0]_{A} \right\}, V \in \left[\frac{\pi}{2}, \pi\right]_{A} \qquad \left$ (05217 - COSTI = 2)

ر عدد جرم هوی مام ره. د مراز انکار، هم این کرد، برای بره کرد برای بره کرد. 7/1/2 1/2/ 1/2/ X+8/48=0 1/2/2 Se 1/3/1 & NOENS $\frac{1}{12\sqrt{2}} = \frac{3}{1}(\sqrt{2})$ 7 x = (2-2, 2-1, 1-1) = (0,10) CM C1, 174 JXC).109 12/1 (y-22)dx + (x-22)dy - (x-24)dz = ()(0,1,0)(1,2,2) \frac{1}{3} ds $=\frac{2}{3}\iint ds$ 1130 CS MORY SON OCINS SON OCINS OCI (1) MY. HYP - 974C CM CE, B COGICE. TT LID SIENT ME ph 1 LUN 01'300 De 50/200 $=\frac{2}{3}\iint ds = \frac{2}{3}\pi$ 15050 (456!