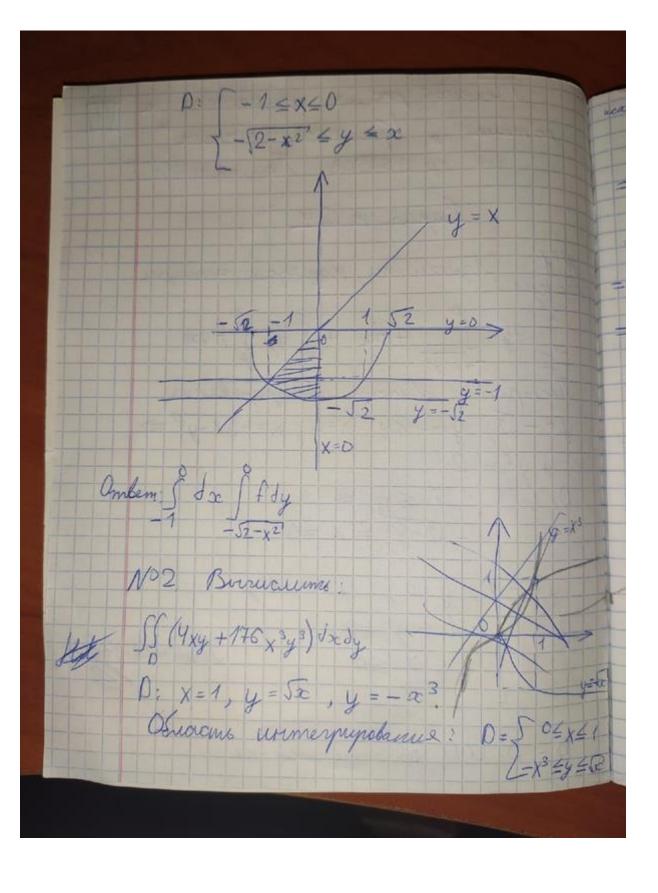
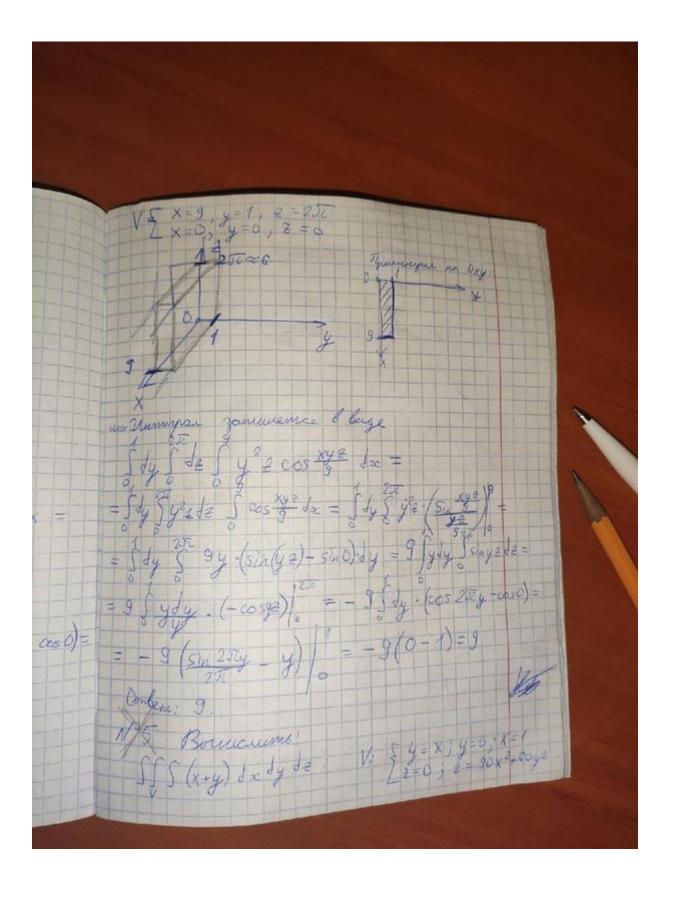
Thursdon pacrem no seamenamine nomene " Kyramusie unmerpen"
cm. 2p. 950503 Houseberun A. 9 Bapyarim 24 relative Uzwenim nopregose minespe 5 dy S f dx + S dy S f dx Tempour onacmi umerpupolarius y=-52; y=-1; x=0; x=-52-y2'=>  $x^{2} + y^{2} = 2$ .  $0_{1}: \quad -52 \le y \le -1$  $\int_{0}^{\infty} -\sqrt{2-y^2} \leq x \leq 0$ y=-1, y=0; x=0, X=4 D2 ! \ -1 = y =0 Thousaberruit A. 9. 7 y = x <0 0 = D1 UD2 Obracmo wem - we:

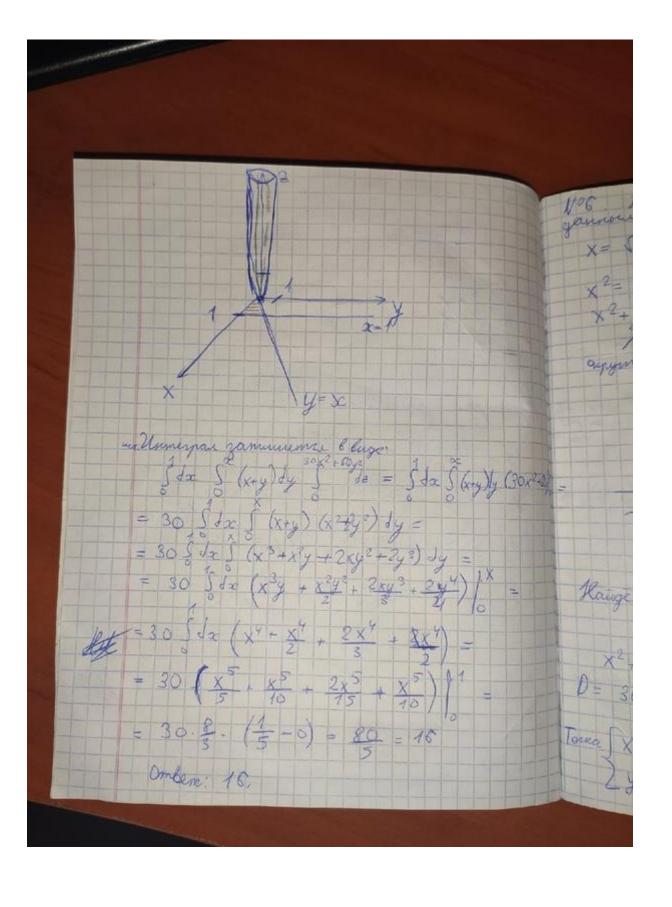


= Stx Sx (4xy+176x3y3) dy = = Stx (4xy+176x3y3) dy = = Stx (4xy2+176x3y3) dx = = 3 Qx2-2x7+49x5-44x15) de = = 12 x3 - 2 x8 + 44xc - 44xc) 1 = 2 3 - 8 - 15 | 1 = 3 2 = X3 Nº3 Bronaums: SS y 2005 xy dxdy Dix=0, y=52, y=2x 44E

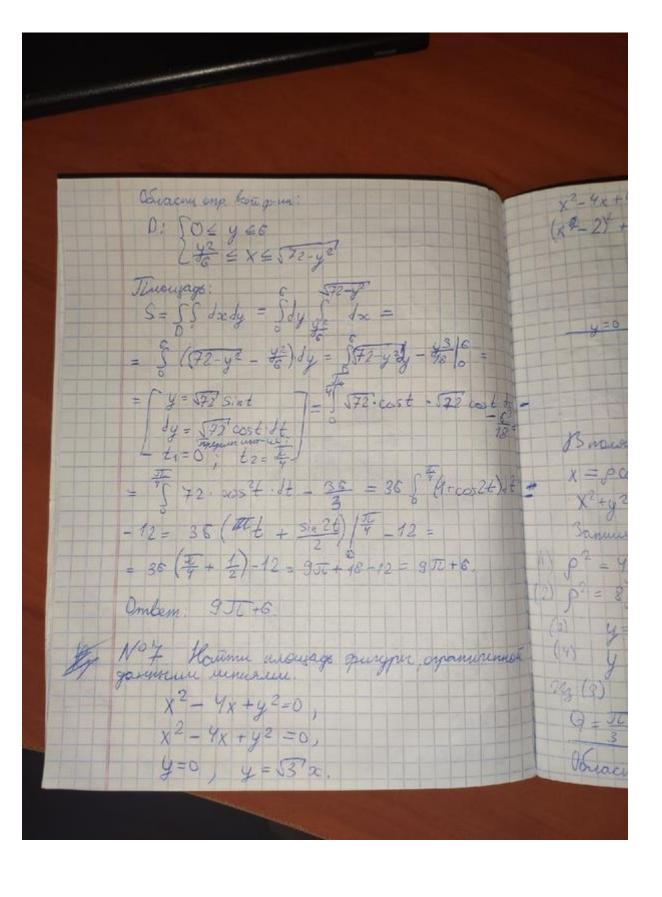
4=55 Donacous minispupule. D. 50 & y & ST un Uzmerpan zonnuvernaz & Brig!

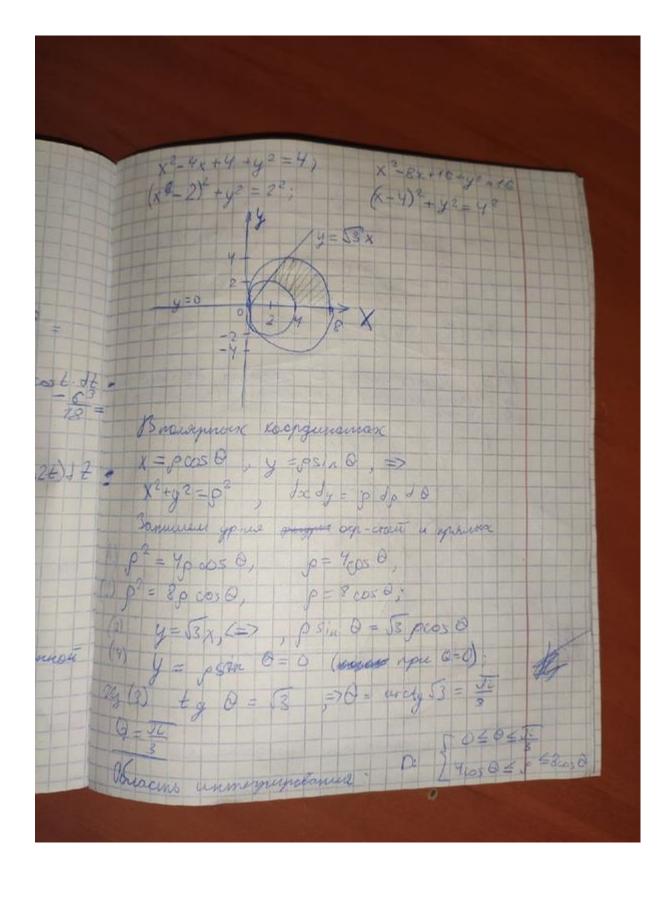
\$ by \$t y^2cosxy dx = \$ y by \$cos (ky) dx = = [t= y2; young t1= # ] = It = y dy; t2 = 0 ] = = Tsin t It = - cost / = = (cos# - cos)= =-(0-1) = 1 Ornbern: 1 NOY Bringuerro 555 y2 2 cos xy2 12 dy 12

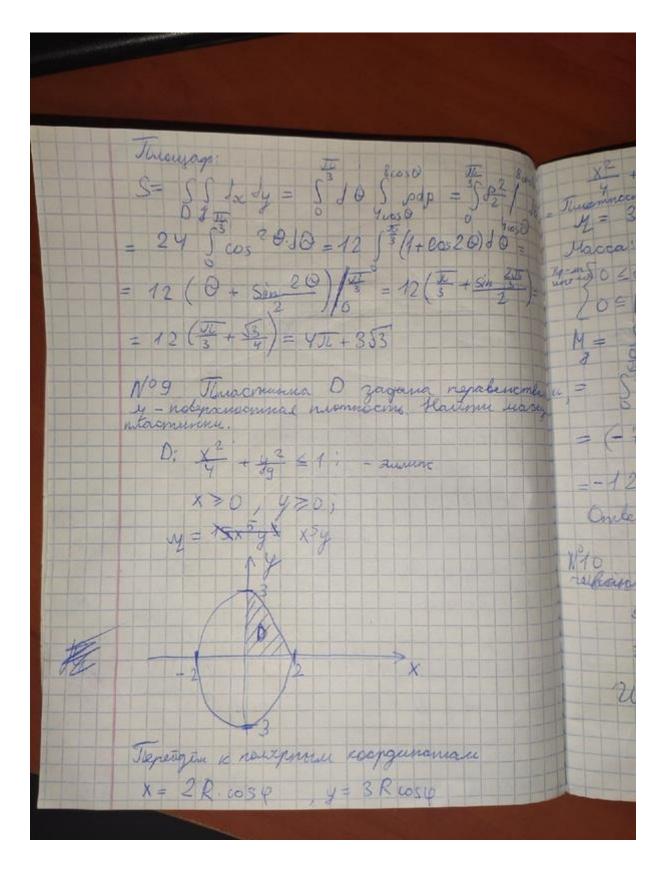




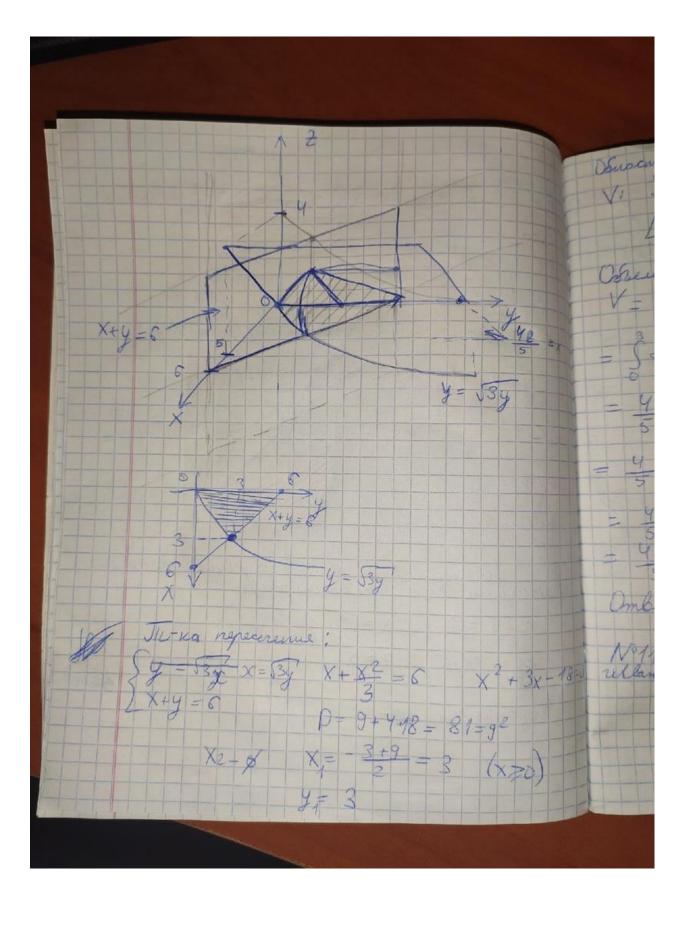
106 Ношони пинирада денгурог, ограничения x= (72-y2, 6x=y2, y=0(y>0) x2+y2=72; y2=6x; y=06; y=0 oyyumocone(R=J2) hapacama on ox ox but bome - y = JEX 6/652 Kaugent negreceremine  $\int_{X^{2}+y^{2}=72}^{\sqrt{2}=6x}$  $D = \frac{2}{36} + \frac{4}{7} + \frac{2}{2} = \frac{3}{3} = \frac{6}{3} + \frac{3}{5} = \frac{6}{3} = \frac{2}{3} = \frac{2}{3} = \frac{6}{3} = \frac{2}{3} =$ J= JCX' = 6



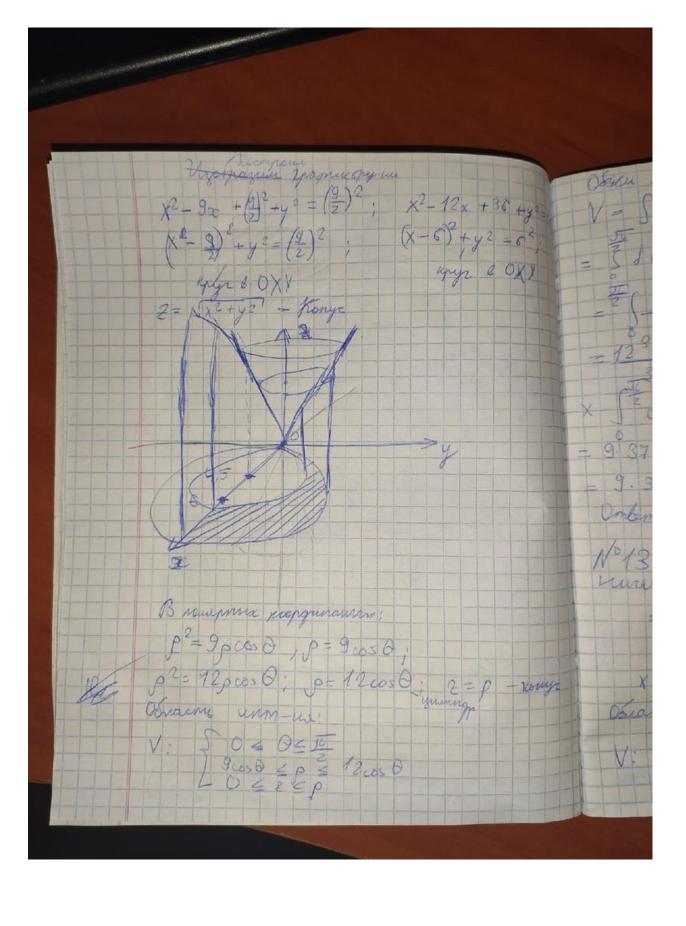




Ja = Theomoreus: R5 = cos 5 4 3 R sing = 9 6 R6 cos 4 sing - Macca! 20 - m 0 & 4 & JI 10= R=1 M= 5 19 5 90 R 6 COS 50 SING 16 R JR-Marin = 52 /4 \$ 90.6.0054 SINY.18 = (-72) S= 205 6 1(cosp) = -72 · cos 4/2 =-12 · (0-1) = 12 Onten: 12. 110 flatime of sin mena zagannoro orpanix + y = 6, x = 3y2 = 4x/5, 2=0 Игрогации пав-ти:



Dusans uper-ue u menzi SSS dredy læ = Stor Sty Sto Osen mens:  $\int x \cdot (6-x-\frac{x^2}{3}) dx = \frac{y}{5} (6x-x^2-\frac{x^3}{3}) dx$ Omben: 9, W11. Harinu obies mena jagannos orpani x2+y2=9x, x2+g2=12x

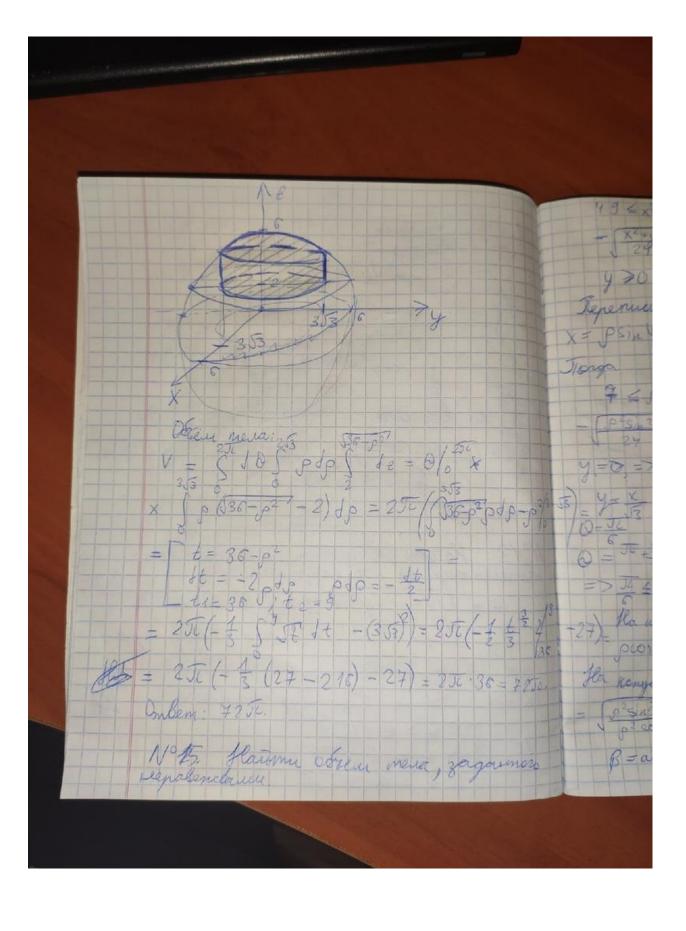


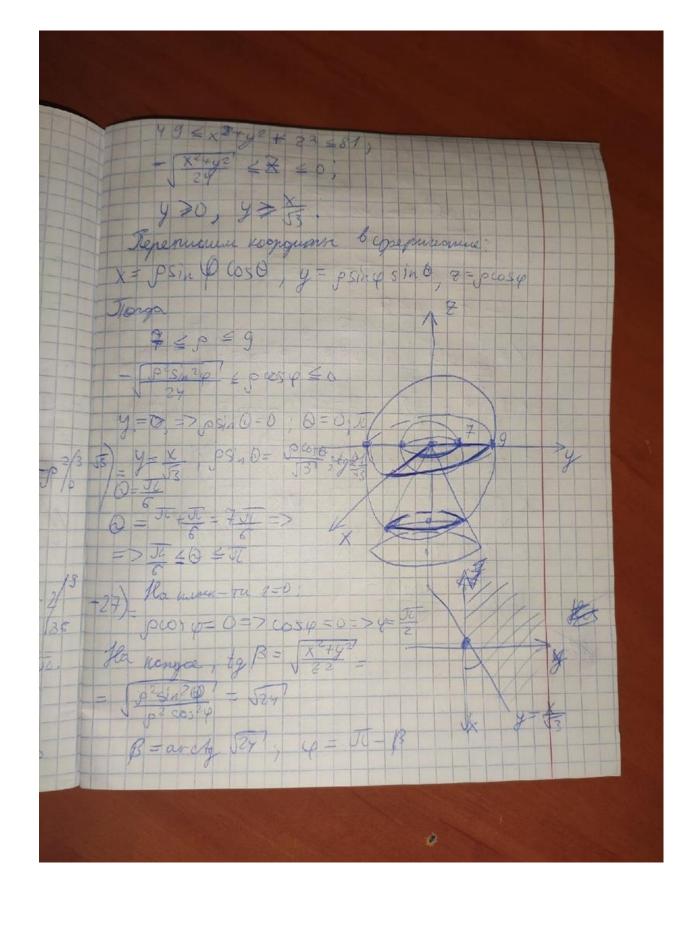
Osca V= SS doc dy d2 = 5 d 6 Sept podp

5 V 120050

= \$ 10 S p2 dp = 1 3 1 120050

= \$ 10 S p3050 123cps 30 - 93cs 30 10  $= \frac{12^{3} - 9}{3} \int_{0}^{\frac{\pi}{2}} \cos^{3}\theta + \theta = (10^{3} \cdot 4 - 9^{2} \cdot 3) \times \frac{\pi}{2}$   $\int_{0}^{\frac{\pi}{2}} \cos^{2}\theta \cos \theta + \theta = 9(64 - 27) \cdot 11 - \sin^{2}\theta \cdot 1 \sin \theta = \frac{\pi}{2}$  $= 9.37 \left( s_{1n} \Theta - \frac{s_{2n} 3\Theta}{3} \right) \left( \frac{3}{2} + 9.37 \left( \frac{s_{2n} 2}{2} - \frac{1}{3} \frac{s_{2n} 3E}{2} \right) = 9.37 \left( \frac{1}{2} + \frac{1}{3} \right) = 9.37 \left( \frac{1}{2}$ Ontem: 228. Nº13 Haumin occión mera gaganises ognaymenngoz Obiacons sopue O young Koongres





= 556, 386. cos(arcty 529) = 965 16 x x 1 + 69 (arcty 529) = 985 JL x 1 + 69 (arcty 529) = 9 11 + (29) - 193 J Ombern: 193 Ju