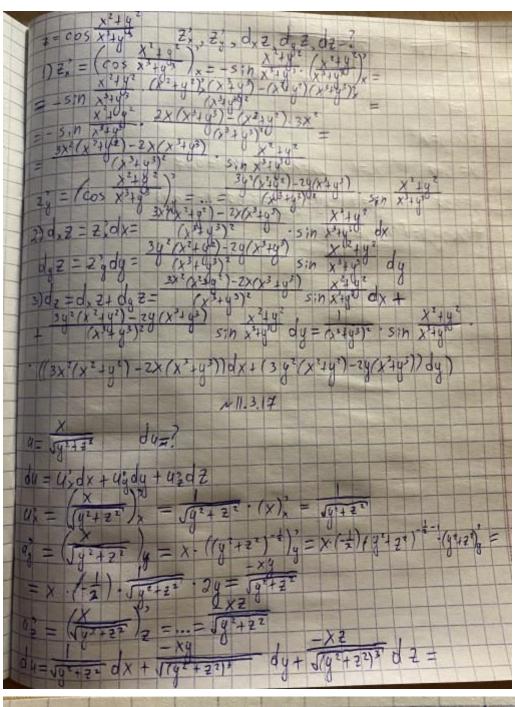
Будагян Артем Игоревич, 1 курс ИВТ, 1 подгруппа

	W11.3.1				
X			0		MENT
2 = xy2 - y	AxZ,A	9Z, AZ.	-1.		
		Company of the last	* ET		
170/3;-2);	DX=0,1; Dy=-0	0,05			
1) 16 (3;-2)		5 图 图	10/1-13/1	35	
JX=3, 40=	2			8-8-13	1-1
					EN-
Illorgo:	X=X+ 1X= 3+0,01	= 3,1 0	= 90+ Ay = -	2+(-0,05)	=-2,05
		U			
Junga: Mi	(3,13-2,05)		100		
		x7	2 / 2 -	<u> </u>	3
2) z (Mo)= Z	(3;-2) = [= xy	-y ] =	30(-7)-	-2 = 3.44	7 = 13,5
		2	3,1	3.1	
Z (X0+DX	; yo) = Z (3,1; -2)	= 3, 1.(-2)	2= 3,	1.14 2 -	13,95
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 $\frac{3}{2(16, 9, +89)} = \frac{3}{2(3, +2, 05)} = \frac{3 \cdot (-2, 05)^2 - 2,05}{-2,05} = \frac{3}{3 \cdot 1} \cdot \frac{3}{2075} + \frac{3}{205} = \frac{14,0809}{31}$   $\frac{3}{2(16, 9, +89)} = \frac{3}{2(3, 1, -2, 05)} = \frac{3}{5} \cdot 1 \cdot (-2, 05)^2 = \frac{3}{205} \cdot \frac{1}{205} + \frac{3}{205} \cdot \frac{1}{205} = \frac{3}{205} = \frac{$ DALZ= 2(X+14x; y0)-2(X; y0)=13,95-13,5=0,45 42= 7(X: yotay) - 2 (X: yo)= 14, 07 13,5=0,54 1003=2 (XotaXigo+ay)-2(Xsigo)=14.54-13,5=1,04 11.3.2 Md/52) 4 X=0,1 A Y = 4/10 = -0,2 #117)=>X=1, 40=2=> X=X=+0X=1+0,1=1,1 134+44=2+(-0,2)=1,8 18/1; 4) = 2(1;2)= 12.2=2 21/4+0x; 40) = Z (1,1;2) =(1,1) 2-2 = 1,21-2= 2,42 3/x, y, + 4y) = z(1:1,8) = 12 1,8= 1,8 [(X)+0x; 4+0y)= 2(1,1; 1,2) =(1,1)2.1,8=1,21.1,8=2,178 3/01=2(X0+0X; y0)-2(X0; y0)=2,42-2=0,42 4= Z(x; yotay) - Z (x; y) = 1,8-2=-0,2 17=2(X0+0X) Y0+04) - Z(X0; Y0)=2,178-2-0,478 Дифференцая зуниции

dy= sy dz= 22dx+2y dy f. (xo, yo) ex=fx(x;y) 23= f3(X;y) f(x,+xx; y,+xy) & f(x,; y,)+fx(x,; y,0)-xx+fy(x,0; y,0)-xy runcipus agus pyrnyrus Z=f(x;y) 8 orpermisomu mernu M. (x; xy) (y + 2xy+1) = (x - 2xy); (y + 2xy+1) - (x - 2xy) (y + 2xy+1)x = (y + 2xy+1) - (x - 2xy) (y + 2xy+1)x = (y + 2xy+1)^2 - 2xy + 1)^2 (x - 2xy + 1  $Z_{y}^{2} = (x^{2} - 2xy^{0})^{2} = (y^{2} + 02xy^{0})^{2}$   $-2x^{2}(y^{2} + 2xy + 1) - (x^{2} - 2xy^{0})(2y + 2x)$   $-2x^{2}(y^{2} + 2xy + 1)^{2} - (y^{2} + 2xy + 1)^{2}$ = (y2+2xy+1) -(x1-2xy)(y2+2xy+1)y



 $= \int_{\mathcal{G}^2 + 2^2} \frac{xydy + xzoz}{\int (y^2 + z^2)^3}$