jueves, 30 d	le noviembre de 2023	ilidad continu 1:32 p.m.				c 1			
$\alpha)$		ies qu			30	70			'y
	-	50.	$(^{7}2$		+2 4	a) dr	dy		
		٥.	\int_{0}^{∞}						
	_ 2	7	7	7 ,	<i>A</i>	4			
	_ 3	$\int_{\partial}^{7} \int_{0}^{2}$	儿十	2 g	OS O	y			
	2	1	2	1					
	= 3	$\int_{0}^{1} \frac{3}{2}$	S + 2 2 2	$\chi \times \Big _{\mathcal{O}}$	dy				
	2	7 1 2	I w de						
	}),	2 ^T	2 / Vry						
	2	1 . ,	2	7					
	36.	1 2 y +	y 10 -						
(2 _t	2 - 3	2 +	4 =	1				
	6	3	6	<u> </u>					
Adı	linás	reorifica	inos q	ue no	vici .	Coselfici	er K	, y E	Ľo,

f(x,y) > 0 $f(0,0) = 0$	
B (1, 1 1 = 2	
$g(x) = \int_0^2 \frac{2(x+2y)}{3} dy$	
$g(x) - \int_0^\infty \frac{3}{3}(x+2y) dy$	
$\frac{2}{3}\int_{0}^{1} x+2y dy$	
$=\frac{2}{3}\left(\chi_y+y^2\right)\Big _0^1$	
$=\frac{2}{3}(\chi+2)$	
$\frac{2}{3}x+\frac{2}{3}$	
$h(y) = \frac{2}{3} \int_{0}^{1} (x+2y) dx$	
$=\frac{2}{3}\left(\frac{x^2}{2}+2xy\right)\Big _0^1$	
$=\frac{2}{3}\left(\frac{7}{2}+2\frac{7}{2}\right)$	

	+ 4 9
E 601 =	$\int_{0}^{\pi} (x) \cdot x dx$
	$\int_{0}^{7} \frac{2}{3} x^{2} + \frac{2}{3} x dx$
	$\begin{bmatrix} 3 & 2 & 3 & 0 \\ 0 & 3 & 1 \end{bmatrix}$
	$\frac{2}{3}x^3 + \frac{1}{3}x^2\Big _0^1$
	$\frac{2}{9} + \frac{1}{3} = \frac{5}{9} = \frac{10}{78}$
le (y1 =	Joh G1-y dy
	$\int_{0}^{7} \frac{2}{5} y + \frac{4}{3} y^{2} dy$
	$\frac{7}{6}y^2 + \frac{4}{9}y^3 _0$
<u> </u>	$\frac{1}{6} + \frac{4}{9} = \frac{9}{54} + \frac{24}{54} = \frac{33}{54} = \frac{11}{19}$

$\mathcal{E}(\alpha)$	y)	こ		7	2-3	X +	29	-))	Cy	c	doc	d	ly				
															y 0		
	-	_	2 3		` 1)			$\frac{\chi^2}{\chi^2}$	y ² 2	7	24	3	X	? O	P.	C	
			2 3		- 7 d	,	<u>x</u> ²	1_	2 x 3		0	l _C					
	~	2				<u>x</u> ³	+	13	r ²	7							
		213		^	7	+	73										
		{	2 -		1-3												

	Olevia	voya	Eary	1 -	Eac	1 Eg	v) =				
			1 _ = = = = = = = = = = = = = = = = = =	17 19	20 2p	<u> </u>	0,00	067	77		
		$ \begin{pmatrix} 1 & 1 \\ 0 & 0 \end{pmatrix} $	<u>10</u>)	/y_	<u>11</u> 18.) 2/3	(X+	2 %) dy		
		,									
		$ \begin{array}{cccc} 1 & 2 & 1 \\ -\frac{2}{27} & \chi^{2} & 1 \end{array} $	2 + 3	15 243	X -	. <u>5</u> 243	O,	C			
		$-\frac{1}{2}x^3$	t 1 24	<u>5</u> :3-2	χ^2	- <u>\$</u> 24	<i>x</i> 3	7			
		1 27	15 243·2	2	<u>5</u>		<u>1</u> 762		-7/	006	77
g		a Coi									

Cutanas	las rec	eriable,	san dej	rendiente