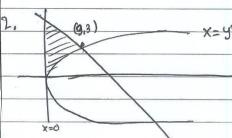
Fathan Muhammad F	8
24060120130053	David Control of the
1. a. (× dx u= 1-x2	$x dx = -\frac{1}{2} du$
11-x2 dx du=-2x	
= \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
$=-\frac{1}{2}\int a^2 du = -\frac{1}{2}\int \frac{1}{2}u^{\frac{1}{2}}$	tc (consumer)
=- 1 2 V - x2 +	
= -VI-X2 +C	
b. (x2 dx U=1-x ->	x=(u-1)
1-x	3 - 3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
$= \begin{cases} \frac{1-x}{x_5} - 1 & q \neq 0 \end{cases}$	
= (-(U-1))2 du =	$(-(u-1)^2)u = (-u^2-2u+1)du$
1-(-(u-1))) a J u .
$=$ $\frac{1}{\sqrt{12}}$ $\frac{2\alpha}{\sqrt{14}}$ $\frac{1}{\sqrt{14}}$	· · ·
=- \(\(\) \	- Suda- Sz Zu - St Zu
$= \left(\frac{t^2}{2} - 2t + \ln \left(\frac{t}{t}\right)\right)$	
$= - \left((1-x_0)_{\sigma} - 5(1-x) + 10 \right)$	$ 11-x1 $ = $-3+2x+x^2=\ln(1-x)^2+C$
2	. 2
Co (x2 1x = 0= 1-x -du=	1 - 4 - 4 - 1 - 1 - 1
$\sqrt{1-x}$ $dx = -dx$ $x =$	
	Freiss_ 1 2 C. Fl =
$= \frac{\left(1-u\right)^{\alpha}}{\sqrt{u}}\left(-\frac{1}{\sqrt{u}}\right) = -\frac{1-2u+u}{\sqrt{u}}$	$\frac{1^{2}}{4^{2}} = \frac{1}{u^{\frac{1}{2}}} = \frac{2u}{u^{\frac{1}{2}}} = \frac{u^{\frac{1}{2}}}{u^{\frac{1}{2}}} = \frac{1}{u^{\frac{1}{2}}} = \frac{1}{u^{\frac{1}2}} = \frac{1}{u^{\frac{1}{2}}} = \frac{1}{u^{\frac{1}{2}}} = \frac{1}{u^{\frac{1}{2}}}$
	1-2+1 _ 0 U2+1 \ U3+1\
	-1+1 2+1
= 42 04 03 05	
=	$-2\sqrt{1-x} + \frac{4}{3}\sqrt{(1+x)^3} - \frac{2\sqrt{1-x}}{5} + C$

$$\frac{d_{\theta} \int x^{2}}{\sqrt{1-x^{2}}} dx = \frac{X_{-}s_{1}u}{dx} = \cos \alpha du$$

$$= \int \frac{\sin^2(u)}{\sqrt{1-\sin^2(u)}} \cdot \cos(u) \, du = \int \frac{\sin^2(u)}{\cos(u)} \cdot \cos(u) \, du = \int \frac{\sin^2(u)}{\cos(u)} \, d$$

$$= \frac{1}{2} \int \left| \frac{du - 1}{2} \right| \int 2 \cos(2u) du = \frac{1}{2} u - \frac{1}{4} \sin(2u)$$

$$=\frac{1}{2}\left(1-\frac{1}{4}+2\sin\left(1\right)\cos\left(1\right)+\frac{1}{2}a\cos\left(1-x-\frac{1}{2}\sin\left(arc\sin\left(x\right)\right)\cos\left(arc\sin\left(x\right)\right)}{2}\right)$$



titik potong
=
$$y^2 + y - 12$$

= $(y+4)(y-3) = y=3 \times = 9 \rightarrow (9.3)$

$$= \int |2 \times -\frac{1}{2} \times^{2} - \frac{2}{3} \times \sqrt{x} \Big|_{0}^{9}$$

$$= 12.9 - 9^{2} - 2 \times 9\sqrt{9} - 0$$

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