Yohoner Dimor Pratamo 4102 / All. 2021. 13254	
1. $\begin{cases} \frac{2}{3} dx^{3} dx = \frac{2}{3} x^{3+1} + (\frac{3}{3} + 1) \\ = \frac{2}{3} x^{3} + (\frac{3}{4} + (\frac{3}{4} + \frac{1}{4} + (\frac{3}{4} + \frac{1}{4} + \frac{1}{4} + (\frac{3}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + (\frac{3}{4} + \frac{1}{4} + $	
2. $\int X^{2}\sqrt{3+5X} dx_{1}$ = $\int X^{2}(3+5X^{2})^{2} dx$ = $X^{3}(3+5X)^{2} + (2+5X)^{2}$ = $2X^{3}(3+5X)^{2} + (2+5X)^{2}$	$4. S(X^{2}-1) (os X dx$ $= SX^{2} cos (X) - cos (X) dx$ $= SX^{2} cos (X) dx - Scos (X) dx$ $= X^{2} sin(X) + 2X cos (X) - 2sin(X) - sin(X)$ $= X^{2} sin(X) + 2X cos (X) - 3 sin(X)$
3. $\int \frac{X^{2}-2x+1}{(X^{3}-3x^{2}+3x)^{4}} dx$ $-) U = X^{3}-3X^{2}+3X$ $du = 3X^{2}-6X+3 dx$ $dx = du$ $3X^{2}-6X+3$ $= \int \frac{X^{2}-2x+1}{3} du$ $= \int \frac{X^{2}-2x+1}{3} du$ $3(X^{2}-2x+1)$	5. $\int \frac{x+2}{x^2-6x+8} dx$ $-\frac{x+2}{x^2-6x+8} = \frac{A}{(x-1)} + \frac{B}{(x-2)}$ $\frac{x+2}{x^2-6x+8} = \frac{A(x-2)+B(x-1)}{(x-1)(x-2)}$ $\frac{x^2-6x+8}{x^2-6x+8} = \frac{(x-1)(x-2)}{(x-1)(x-2)}$ $\frac{x+2}{x^2-6x+8} = \frac{A(x-2)+B(x-1)}{(x-1)(x-2)}$ $\frac{x+2}{x^2-6x+8} = \frac{A(x-2)+B(x-1)}{(x-1)(x-2)}$ $\frac{x+2}{x^2-6x+8} = \frac{A(x-2)+B(x-1)}{(x-2)}$
$= \int_{0}^{2} \int_$	-2 = B $+ (x-4) = 0$ $x = 4$ $4+2 = (4(4-2) + B(0))$

	16 2 2 2 2 1 1 1
6 = 2A	$\int \frac{x^3 - 2x + 1}{x^2 + x - 2} dx$
3 = A	=(/x-1)dx+(
= 3 1/-2	$= \int (X-1)dx + \int \frac{1}{X+2} dx$
$= \frac{3}{x-4} + \left(\frac{-2}{x-2}\right)$	= SXdx-Sldx+ (1 dx
$= \left(\begin{array}{c} X+2 & dx \end{array} \right)$	1 1 1 1 2
$= \int \frac{X+2}{X^2-6X+8} dx$	= x2 -1 Sldx+ Sldx 2 = x x + ln(x+2)+C
$= \int \frac{3}{x^{-4}} dx + \int \frac{-2}{x-2} dx$	2 //+2
= 3 ln(x-1) -2 ln (x-2) +(= X = X + (n (x+2)+C
= 3(n(x-1) con c) = 7.	2
/ X-1 _	
6. $\frac{x-1}{x^2+x-2/x^3-2x+1}$	
$\chi^3 + \chi^2 - 2\chi$	
$-\chi^2+1$	
-X2-X+5 -	
(x,y)	
$= \int (x-1)dx + \int \frac{(x-1)}{(x^2+x-2)}dx$	
= S(X-1)dx + (Adx + (Bdx)	
$\int (x+2) + \int (x-1) = 1$	
= X-1 = A(X-1)+12(X+2)	
$x^{2}+x-2$ $(x+2)(x-1)$ ->(x-1)=0	
-3(X-1)=0	
X = 0	
1-1 = ACI-1)+13(1+Z)	y
0 = 0 + 3B	
O = 3/3 $13 = 0$	
-) X +2 = 0	
X = -)	
$ \begin{array}{c} $	
-3 = A	
<u>-3</u>	
1 = A	
and the state of t	