$$\begin{array}{lll}
Of(x) = x^{2}, & \text{inserval } [-\pi, \pi] \\
O(x) = \frac{1}{2\pi\pi} \int_{\pi}^{\pi} x^{2} dx \\
&= \frac{1}{2\pi\pi} \left[\frac{1}{3}x^{2} \right]_{-\pi}^{\pi} \\
&= \frac{1}{3}\pi^{2} : \frac{2\pi^{2}}{3} \\
&= \frac{1}{3}\pi^{2} : \frac{\pi^{2}}{3} \\
&= \frac{1}{3}\pi^{2} : \frac{\pi^{2}}{3} \\
&= \frac{1}{n}\int_{\pi}^{\pi} \frac{x^{2}}{(\cos nx)} dx \\
&= \frac{1}{n}\left(\frac{2\pi}{n} \cos nx + \frac{2\pi}{n} \cos nx \right) \\
&= \frac{1}{n} \cos n\pi - \left(\frac{\cos n\pi}{n} + \frac{2\pi}{n} \cos n\pi \right) \\
&= \frac{1}{n} \cos nx - \left(\frac{\cos n\pi}{n} + \frac{2\pi}{n} \cos nx \right) \\
&= \frac{1}{n} \cos nx + \frac{2\pi}{n} \sin nx + \frac{1}{n} \cos nx \right]_{-\pi}^{\pi} \\
&= \frac{1}{n} \left(-\frac{\pi}{n} \cos nx + \frac{2\pi}{n} \sin nx + \frac{1}{n} \cos nx \right) \\
&= \frac{1}{n} \left(-\frac{2\pi}{n} \cos nx + \frac{2\pi}{n} \sin nx - \frac{\pi}{n} \cos nx \right) \\
&= \frac{2\pi}{n} \cos n\pi - \left(\frac{\cos n\pi}{n} + \frac{2\pi}{n} \cos n\pi \right) \\
&= \frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
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&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi \right) \\
&= -\frac{2\pi}{n} \cos n\pi - \frac{\pi}{n} \cos n\pi -$$

20) 5° x2e-2x2dx	b) $h(-\frac{1}{2}) = \frac{h(-\frac{1}{2})}{-\frac{1}{2}} = \frac{h(-\frac{1}{2})}{-\frac{1}{2} \cdot -\frac{\epsilon}{2}} = \frac{h(-\frac{1}{2})}{-\frac{1}{2} \cdot -\frac{\epsilon}{2} \cdot -\frac{1}{2}}$
* Misal 2×2=V	n(1) 81R
$Ax = \frac{du}{dx}$ $x dx = \frac{1}{4} \cdot du$	$=\frac{h(\frac{1}{2})}{-\frac{7}{2},-\frac{7}{2},-\frac{1}{2}-\frac{1}{2}}=\frac{8\pi}{105}$
· 5 4 12 10 du	
= 1/12 - 5 u = e du	
= 412 + (32)	13.20.30 = 15
= 1/2.7(1)	Variety - med 2+ xnowed
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862 812	Li mai De muse do en
3) (2x+3y) dx+(x-y) dy=0	
	A A A A A A A A A A A A A A A A A A A
$\frac{4y}{bx} = \frac{2 \times +3y}{y - x}$	Tuning of the state of the so- The state of
X Misal y= VX	(mare for each = small for march = see
Misal y= VX dy = V + xdv dx	The same of the sa
$V + \frac{x dv}{dx} = \frac{2x + 3vx}{1vx - x}$	The government of the second
$V + \frac{x}{dx} = \frac{x(2+3v)}{2}$	
*(IV-1)	xn n c pd = 40 00 pb = 4 = 2 = 2
$\frac{x dv}{dx} = \frac{2+3V}{V-1} - \frac{V(V-1)}{V-1}$	
$\frac{2}{\sqrt{4}} = \frac{2+4}{4} - \frac{1}{4}$	rang(# - 10-) 3 - 100 - 10-) = 1
£x	
V-1 dV = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	