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 $\frac{1}{100} \times \frac{1}{100} \times \frac{1}$

(I) A = 5-1 [g(x)-g(x)]

5-1 (-3x2 + 12x +1s)

 $A = S_{-1}^{S} \left(\begin{array}{cccc} -3x^{2+1} & +12x^{4+1} & +15x^{6+1} \\ 2+1 & & & \\ \end{array} \right)$

 $\int_{-1}^{5} \left(-x^3 + 6x^2 + 15x \right)$

A = [-x3+6x2+15x]= + (-12S+150+7S)-(1+6-15)

 $\frac{300 - (-8)}{100} = \frac{108}{4}$

(tilibra) * 0 • 0 * 0 • 0 * 0 • 0 * 0 • 0 * 0 • 0 *

36	DA(x,y) .:. y	$\frac{x}{\sqrt{y}} = \frac{x}{\sqrt{y}}$	j = 3000)				
CC	(x,y) =	8X + 2 = 8X +	- Sy - <u>1000</u>	→ 8x	+ 2000	<u>→ 8</u>	x ² + 5	5000	
P'	(x) = 0) + 8x=	$\begin{array}{c} x - (8) \\ - S000 \\ x^2 - S0 \end{array}$	= 0	00) • 1	, 1	8x2 -	S000	
	C'U	$(x) = X^{\alpha}$	$\frac{x^{2}-500}{8}$	00 ~> X	2 = 6 6	25	X = X	V6257 25]	
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