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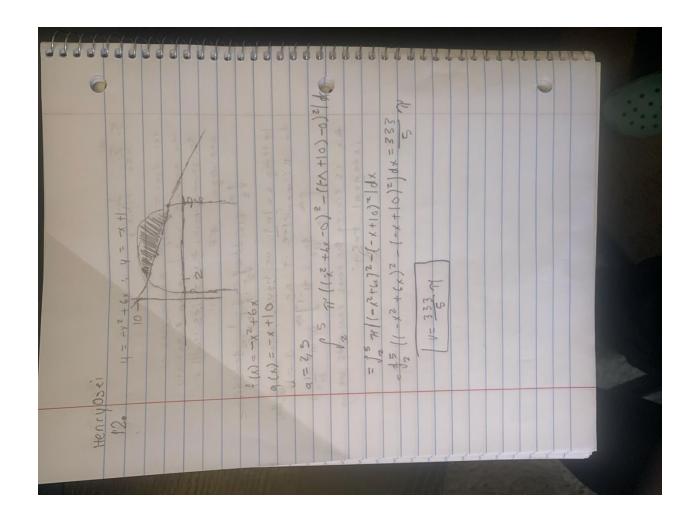
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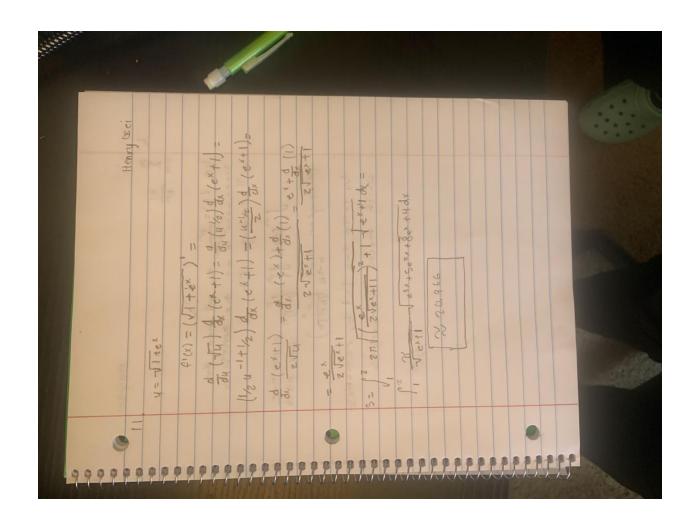
(Sin (3x) cos (5x) dx = (sin (3x + 5x) + sin (3x 5x) dx	= 1/2 (5 sin (2x + 5x) + sin (3x - 5x) d) = 1/2 (5 sin (3x + 5x) dx + (sin (3x - 5x) dx)	1 sin (3x - 5x) dx = 1-1/2 str(w) du = 1/2 (-costud)	= 1/2 (-1/8/cos (8x)+1/2 cos (2x))	=1/2(-1/9 cos(8x)+1/2 cos(2x))+C	
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$\frac{x-1}{(x+1)(2x-5)}dx$ -14 +1)(2x-5) = $\frac{a_0}{x+1} + \frac{a_1}{2x-3}$ -14)(x+1)(x-3) = $\frac{a_0}{x+1} + \frac{a_1}{2x-3}$	(A) CA AIN	$\int \frac{2}{x^{2}} dx - \int \frac{2}{2x^{-2}} dx - \int \frac{2}{x^{+1}} dx = \frac{2\ln x }{\ln x^{+1} }$ $\int \frac{2}{x^{+1}} dx = 3 \cdot \int \frac{1}{x^{+1}} dx - \frac{3 \cdot \int \frac{1}{x^{-1}} du - \frac{3\ln u }{\ln x^{+1} }$ $\int \frac{5}{2x^{-3}} dx = \frac{5}{2} \frac{\ln 2x - 3 }{\ln x^{-3} }$ $= \frac{2}{2} \frac{1}{\ln x^{+1} } - \frac{5}{2} \frac{\ln 2x - 3 }{\ln 2x - 3 } + C$	
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