json -> latex convert test

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Questions

1.	Given the function $f(x) = x^3 - 4x + 1$, find its derivative $f'(x)$.	
2.	$\int (2x+1)(x-3) dx$	
3.	Find the derivative of $g(x) = \sin(3x) + e^{4x}$.	
1.	Evaluate $\int_{-1}^{2} (6x - x^2) dx$.	

If $z = 3 - 4i$, find the conjugate and modulus $ z $ of z .	
$\int x^2 e^x dx$.	
If $f(x) = x^3 - 6x^2 + 11x - 6$, find $f''(x)$.	
$\int_0^{\pi/4} \sin(x)^2 \cos(x) dx.$	
If $z = 2 + i$ and $w = -3 + 4i$, find the sum $z + w$.	