A - Level Maths 15 Minute Boost 4

What is $\binom{n}{r}$?	
cosec(x) =	
$\log_a(x^n) =$	
What is the formal definition of the derivative of $f(x)$?	
$\int \frac{1}{x} \mathrm{d}x =$	
4) The coefficient of A in the companion of $(2 + 2a)^n$ is 15120. Final the	

1) The coefficient of x^4 in the expansion of $(3 + 2x)^n$ is 15120. Find the value of n.



2) Using integration by substitution find	$\int_{0}^{3} x\sqrt{3x+2} \mathrm{d}x$

