


16th March	
Given $27 = 9^n$ Write down the value of n	 Corbettmaths
A sequence a_1, a_2, a_3, \dots is defined as $a_1 = k$ $a_{n+1} = 4a_n + 2$ Find a_4 in terms of k.	
Is $\sum_{r=1}^4 a_n$ divisible by 5?	
Given $y = 9x^2 - \frac{1}{\sqrt{x}} + 3$	Find $\frac{dy}{dx}$
Find $\frac{d^2y}{dx^2}$	