


10th April	
Simplify fully $\left(\frac{8x^6}{125}\right)^{-\frac{1}{3}}$	 Corbettmaths
Given that $y = 4x^7 + \frac{6}{x^3}$ Find $\frac{dy}{dx}$	
Find $\int y \, dx$	
A sequence $a_1, a_2, a_3, \dots$ is defined as $a_1 = k$ $a_{n+1} = 3a_n - 5$ Find $a_3$ in terms of $k$ .	
George saves money each week over a period of $k$ weeks.  He saves £2 in week 1, £2.20 in week 2, £2.40 in week 3 and so on.  He saves a total of £277.20	Find $k$ .