Exercise 1	Calc.: X
A recursive sequence calculates the next term in the sequence from the previous number.	
Calculate the terms u_2 , u_3 and u_4 for the sequence	5 marks
$\begin{cases} u_1 = 8 \\ u_{n+1} = \frac{1}{2}u_n \end{cases}$	
and state explicitly what type of sequence this is.	
Hence calculate the sum to infinity for this sequence.	