ENOS:

Show all work for full or partial credit. Put a box around your final answer in each part.

1. For each power series, determine the interval of convergence and the radius of convergence.

(a) $\sum_{n=1}^{\infty} \frac{2}{n}$			$\frac{2(k-1)^{k+1}}{(n+1)^{3}}$	n3"	
	=	lim h-) ∞	$\frac{n}{3(n+1)} \mid x$	-1	
	=	$\frac{1}{3} \times -1 $	< 1		

 $\Rightarrow |x-1| < 3$

$$\Rightarrow$$
 $-2 < x < 4$



