MA0001	eving b	Sander	Lindberg
Girappie 3		**	
oppgave 1.			
f(x) = \(\frac{1}{2x}\)			
$\frac{d}{dx}\left(\frac{1}{\sqrt{2x}}\right) = \frac{d}{dx}$	$\left(\frac{1}{\sqrt{2}\sqrt{2}}\right) = \frac{1}{\sqrt{2}}$	$\frac{\partial}{\partial x} \left(x^{\frac{1}{2}} \right)$	
$=\frac{1}{\sqrt{2}}\cdot\left(\frac{1}{2}\times\frac{3}{2}\right)$	V2 -2 x2	V2.2x2	
Oppgare 2.			
$9(x) = \begin{cases} x^2 - x \\ x^2 - 1 \end{cases}$	for x x 1		
	2		
Ma use at			2 .
lim x-x = x - 1 = x - 1 =	$\frac{d}{dx} \left(\frac{x^2 - x}{x^2} \right) = \frac{d}{dx} \left(\frac{x^2 - x}{x^2 - 1} \right)$	2x - 7 - 2x	
lim 24-1 4-51 2x	1		
En funksjon	er Kuntinu	erlig derson	lim f(x) = f(c).
Jeg har he	r ust dette	, C=1	
i = g(x) = g(x) $ x-3 = 2-1-1$ $ g(x) = 2-1 = 2$	1 2		
4507) = = = = = = = = = = = = = = = = = = =			

