Power Rule				
Basic				
Examples				
1. $f(x) = \chi^2 \sin x$ $f'(x) = 2x \sin x$				
f'(x) = 2xsinx	$+ x^2 \cos x$			
2. $f(x) = \frac{x^4 + 1}{x - 7}$				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14x>) - (x4+1)(1)	4x4 - 78x3 -	x4 +1	
f'(x) =	(4x3) - (x4+1)(1) =	(x-7)2		
- 3x4 -	28 13			
(4-	7/2			
3. F(x) = ex cos	X			
b.co	X - exsinx duct rule: F'(a). Jlas	+(a). y'(a)		
4. F(x) = Sec x	quotient rule			
= <u> </u>	$\frac{0+\sin x}{\cos^2 x} = \frac{\sin x}{\cos^2 x}$	- tanx secx	<b></b>	