

1. State the definition for the derivative of $f(x)$ with respect to x .

2. Fill in the table of derivatives:

Function	Derivative with respect to x
c	
x	
x^n	
$f(x)+g(x)$	
$f(x) g(x)$	
$f(x)/g(x)$	
$c f(x)$	
$f(y)$	
$f(g(x))$	
$\sin(x)$	
$\cos(x)$	
$\tan(x)$	
$\sec(x)$	