

MATH1915 Assignment 1 (Tom Hargreaves)

$f(x)$	$\frac{d}{dx}f(x)$	$\int f(x)dx$
$\sin x$	$\cos x$	$-\cos x$
$\cos x$	$-\sin x$	$\sin x$
$\tan x$	$\sec^2 x$	$\ln \sec x $
$\sec x$	$\sec x \tan x$	$\ln \sec x + \tan x $
$\cot x$	$-\cot^2 x - 1$	$\ln \sin x $
x^n	nx^{n-1}	$\frac{1}{n+1}x^{n+1}$
$\ln x$	$\frac{1}{x}$	$x \ln x - x$