

Source: [KBhMATH401SubIndex](#)

## 1 | Intergration

Antiderivatives table

Function	Antidervative
$x^n$	$\frac{x^{n+1}}{n+1} + c, x \neq -1$
$af(x)$	$a * (f(x)dx)$
$\frac{1}{x}$	$\ln(\ x\ )$
$\sin(at)$	$-\frac{\cos(t)}{a}$
$\cos(at)$	$\frac{\sin(t)}{a}$
$e^a$	$e^a$
$\frac{1}{1+(ax)^2}$	$\tan^{-1}(ax)$