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
$\frac{1}{1+(ax)^2}$	$tan^-1(ax)$
$sin^-1(ax)$	$\frac{a}{\sqrt{1-(ax)^2}}$
$cos^-1(ax)$	$\frac{-1}{\sqrt{1-(ax)^2}}$