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