Factsheet: List of integrals

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Summary

A list of common (and some uncommon) integrals of functions.

Throughout, are real numbers and is the constant of integration.

## Antiderivatives of polynomial, rational, exponential, logarithmic functions

| function | antiderivative w.r.t | notes |
| --- | --- | --- |
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|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Antiderivatives of trigonometric functions

| function | antiderivative w.r.t |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Antiderivatives of some hyperbolic functions

| function | antiderivative w.r.t |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

## Standard forms that integrate to inverse trigonometric/hyperbolic functions

| function | antiderivative w.r.t |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# Further reading

For more about where these came from, please see [Guide: Introduction to integration](../studyguides/introtointegration.qmd) and [Proof sheet: Antiderivatives of other common functions].

## Version history

v1.0: created in 08/25 by tdhc.

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