Questions: Introduction to integration

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Summary

A selection of questions for the study guide on introduction to integration.

*Before attempting these questions, it is highly recommended that you read* [*Guide: Introduction to integration.*](../studyguides/introtointegration.qmd)

## Q1

Using the power rule and laws of indices (as appropriate), find the following indefinite integrals.

1.1.

1.2.

1.3.

1.4.

1.5.

1.6.

1.7.

1.8.

1.9.

1.10.

1.11.

1.12.

1.13.

1.14.

## Q2

Find the following integrals.

2.1.

2.2.

2.3.

2.4.

2.5.

2.6.

2.7.

2.8.

2.9.

2.10.

## Q3

Evaluate the following definite integrals with respect to .

3.1.

3.2.

3.3.

3.4.

3.5.

3.6.

3.7.

3.8.

3.9.

3.10.

3.11.

3.12.

3.13.

3.14.

3.15.

[After attempting the questions above, please click this link to find the answers.](../answers/as-introtointegration.qmd)

## Version history and licensing

v1.0: initial version created 05/25 by Donald Campbell as part of a University of St Andrews VIP project.

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