Questions: Introduction to differentiation and the derivative

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Summary

A selection of questions for the study guide on introduction to differentiation and the derivative.

*Before attempting these questions, it is highly recommended that you read* [*Guide: Introduction to differentiation and the derivative*](../studyguides/introtodifferentiation.qmd)*.*

In this question set, the following definitions are used:

These are **hyperbolic trigonometric functions**; for more about these, see [Guide: Introduction to hyperbolic functions].

Using the differentiation rules seen in [Guide: Introduction to differentiation and the derivative](../studyguides/introtodifferentiation.qmd), differentiate the following functions:

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

1.15.

1.16.

1.17.

1.18.

1.19.

1.20.

1.21.

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

## Version history and licensing

v1.0: initial version created 03/25 by Sara Delgado Garcia as part of a University of St Andrews VIP project.

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