Questions: The product rule

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Summary

A selection of questions for the study guide on the product rule.

*Before attempting these questions, it is highly recommended that you read* [*Guide: The product rule.*](../studyguides/productrule.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].

Differentiate the following functions using the product rule.

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.

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

## Version history and licensing

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

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