

# Derivative

- 1 [Definition of derivative](#)
- 2 [Derivative as rate](#)
- 3 [Graph of derivative](#)
- 4 [Power rule](#)
- 5 [Constant multiple rule; Sum rule](#)
- 6 [Derivative of exponential function](#)
- 7 [Derivative of sine and cosine](#)
- 8 [Product rule; Quotient rule](#)
- 9 [Chain rule](#)
- 10 [Derivative of inverse function](#)
- 11 [Implicit differentiation](#)
- 12 [Logarithmic differentiation](#)
- 13 [Summary of derivative rules](#)