Main Ideas

Here are the main points that are addressed in the video. Please read these and think about them as you watch.

- The derivative of a constant function $f(x) = c$ is $f'(x) = 0$

- The derivative of a monomial function $f(x) = ax^b$ (where a and b are numbers) is $f'(x) = b * ax^{b-1}$

- The derivative of an exponential function $f(x) = a^x$ (where a is a number) is $f'(x) = \ln(a) * a^x$

- The derivative of a logarithmic function $f(x) = \log_a(x)$ is $f'(x) = \dfrac{1}{\ln(a)} \dfrac{1}{x}$

Learning outcomes:
Author(s):