## Main Ideas

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

- An antiderivative of a function f(x) is a functions whose derivative is f(x)
- The general antiderivative represents all the functions whose derivatives are f(x). If F(x) is an antiderivative to f(x), meaning F'(x) = f(x), then F(x) + C represents all the functions whose derivatives are f(x), where C represents any constant.
- The reason for the term C is that the derivative of a constant is 0, so adding a (positive or negative) constant to a function will not change the derivative, so the derivative of F(x) + C is the same as the derivative of F(x).

Learning outcomes: Author(s):