

What is the derivative used for? What questions can it help us answer?

How do we find the slope of a function that isn't a line?

Approximating the slope at a point:

Definition of the derivative/slope at a single point (pg. 81):

Find the derivative/slope in general for a function (pg. 82):

The derivative of some simple functions:

Shortcuts to finding the derivative of some common functions:
ex. the power rule (pg. 84)

The relationship between continuity and the derivative (pg. 86):