I. Finding derivatives

- Using the constant, power, constant multiple and sum rules
- Using the product rule
- Using the quotient rule
- Using the chain rule
- Using implicit differentiation
- Higher order derivatives, using all rules
II. Applications of the derivative
- Finding the slope/equation of a tangent line; finding point(s) on a graph where the tangent line is horizontal or vertical
- Finding the rate of change of a function in general and for a specific value
- Finding a marginal function; its use in estimating actual change
- Using increments to approximate the change in a function
- Finding a velocity function, given a distance function
- Basic related rates
III. Applications not using the derivative
- Finding the $y$-value of a point
- Finding the actual change in a function

