



# 2022 revision support for learners: Higher Mathematics

## Guidance for the 2022 exam

We **will not** assess you on the following topics in the 2022 Higher Mathematics exam:

- ◆ vectors
- ◆ recurrence relations
- ◆ sketching the graph of  $y = f'(x)$  given the graph of  $y = f(x)$
- ◆ finding the coordinates of the point(s) of the intersection of two curves
- ◆ solving for  $a$  and  $b$  an equation of the form  $y = ax^b$  (or  $y = ab^x$ ) given two pairs of corresponding values of  $x$  and  $y$
- ◆ sketching the graph of the inverse of a logarithmic or an exponential function
- ◆ using differentiation to determine the equation of a tangent to a curve at a given point
- ◆ using differentiation to determine the stationary points of an algebraic function and then sketching the graph of the function with all important features identified on the graph
- ◆ solving any problems containing the phrase 'rate of change'
- ◆ integrating a function of the form  $(px + q)^n$
- ◆ integrating any trigonometric function
- ◆ finding the area between two curves
- ◆ proving any trigonometric identity

You should use this information to help you plan your revision and prepare for the exam.

Remember to look out for *Your Exams*. This guide contains essential information and rules that you need to know about SQA exams.