

Year 12 AS Mathematics Topic Revision List

Paper 1
Area under a curve
Areas of triangles
Binomial Expansion
Counter examples
Curve sketching
Decreasing values
Differentiation of a polynomial
Equation of a circle
Equations of lines
Exponential models
Intersection of curves
Linear models
Proof
Sine and/or cosine rule
Solving logarithmic equations
Solving quadratic equations
Solving trigonometric equations
Stationary points
Vector problems
Using and/or solving inequalities

Paper 2
Correlation
Critical regions
Discrete random variables
Frequency polygons
Histograms
Hypothesis testing
Independent events
Large data set
Mean
Scatter diagrams
Standard deviation
Forces and Newton's Laws
Motion with constant acceleration
Motion with non-constant acceleration
Velocity-time graphs