TOPIC LIST for Overall Test 3

Geometry

Understand and apply the circle theorems
Area of shapes including compound shapes and parts of a circle

Data Handling

Probability
Relative frequency

Number

Ratio and proportion
Compound measures including using a distance/time or speed/time graph

Algebra

Straight line graphs (y=mx+c)
Functions, including inverses
Formulae, using and changing the subject
Simplifying and factorising an expression, including completing the square and using the quadratic formula
Solving simultaneous equations
Distance Time Graphs

Note - your ability to perform all four operations (+ - x ÷) and use powers with all types of number (negative, integer, decimal and fractions) as well as applying them to algebraic terms, is fundamental to all mathematics.