

Year 12 M7 AW1 - Revision List



- **Solving problems without a calculator:** Involving whole numbers, fractions, decimals, and percentages
- **Estimation-** Checking calculations using approximation
- **Ratio:**
 - Ratio notation
 - Simplifying ratio
 - Dividing a quantity in a ratio
 - Real life contexts
- **Sequences:**
 - Recognise and use sequences (e.g., Triangular, square, cube numbers)
 - Generate terms of a sequence
 - Find the n^{th} term- linear and non-linear sequences
- **Drawing graphs:**
 - Plot and interpret graphs in real situations e.g., conversion graphs, distance/time graphs and intersecting travel graphs
 - Solve two linear simultaneous equations graphically (and algebraically)
 - Generate points and plot graphs of quadratic functions to find approximate solutions
- Convert between **binary** and decimal numbers
- **Index Laws:**
 - In algebra for positive powers
 - For zero, positive and negative powers
 - In algebra for integer powers
- **Trial and improvement**
- **Inequalities:**
 - Solve linear inequalities with one variable and two variables
 - Represent solutions on a number line
 - Recognise, sketch, and interpret graphs of linear, quadratic, simple cubic and the reciprocal functions
- **Changing the subject**
- **Surds** - Using surds and π in exact calculations



To revise Maths, you have 'to do' Maths

To revise:

- Write out questions you have already done in class and complete with your book closed then check your work.
- Speak to your teacher if you are struggling or need any help
- Complete Revision questions given to you by your teacher