Year 10 Higher Maths Examinations Summer 2024 Revision List

| Paper 1 | $\begin{aligned} & 0 \\ & 0.0 \\ & 0 \\ & 0 \\ & \text { x } \\ & 0 \\ & \text { in } \\ & \hline \end{aligned}$ |
| :---: | :---: |
| Calculators NOT allowed |  |
| Topic name |  |
| Recipes | U721 |
| Sharing an amount in a given ratio | U577 |
| Solving and representing inequalities | U759 |
| Probability tree diagrams | U558 |
| Vectors | U564 |
| Bearings | U107 |
| Volume in terms of pi | U915 |
| Area of a circle sector | U373 |
| Ordering numbers in standard form | U330, U534 |
| Laws of incides | U235, U264 |
| Factorising quadratic expressions | U178 |
| Solving quadratic equations by factorising | U228 |
| Changing ratios | U577, U595 |
| Solving linear simultaneous equations | U760 |
| Graphing inequalities | U747 |
| Area and volume in similar shapes | U110 |
| Vectors - geometrical problems | U781 |
| Solving quadratic inequalities | U133 |


| Paper 2 | $\begin{aligned} & \text { 응 } \\ & 0 \\ & \text { x } \\ & \text { x } \\ & \text { in } \\ & \hline \end{aligned}$ |
| :---: | :---: |
| Calculators allowed |  |
| Topic Name |  |
| LCM from the product of prime factors | U250 |
| Drawing cubic graphs | U980 |
| Trigonometry | U283, U545 |
| Vectors | U632 |
| Pythagoras in 2D | U385 |
| Area of a sector of a circle | U373 |
| Reverse percentages | U286 |
| Compound interest | U332 |
| Solving simultaneous equations graphically | U836 |
| Solving quadratic equations graphically (find the roots) | U601 |
| Circle theorems | U459, U251 |
| Direct and inverse proportion problems | U721, U357 |
| Non-right angled trigonometry - sine and cosine rule | U952, U591 |
| Solving quadratic simultaneous equations | U547 |

## Useful facts to memorise



Circle theorems


The angle in a semi-circle is $90^{\circ}$


The angles in the same segment from a common chord are equal


The angle at the circumference
is half the angle at the centre


The opposite angles in a cyclic quadrilateral always add to $180^{\circ}$

