

# Mathematics

SUMMARY OF MOCK EXAM	
<b>Paper 1 – Pure and Mechanics</b>	
<b>1 hours 30 minutes</b> Total of 70 marks	
<b>Content assessed</b>	
<b>Pure Content</b> <ul style="list-style-type: none"><li>• <a href="#">Vectors</a></li><li>• <a href="#">Laws of logarithms</a></li><li>• <a href="#">Geometric sequences</a></li><li>• <a href="#">Compound Angles</a></li><li>• <a href="#">Compound Angles – Alternative forms</a></li><li>• <a href="#">Product rule</a></li><li>• <a href="#">Trapezium rule</a></li></ul>	
<b>Mechanics Content</b> <ul style="list-style-type: none"><li>• <a href="#">Motion graphs</a></li><li>• <a href="#">Connected particles</a></li><li>• <a href="#">Newton's 2<sup>nd</sup> law</a></li><li>• <a href="#">General motion</a></li></ul>	
<b>Paper 2 – Pure Content</b>	
<b>1 hours 30 minutes</b> Total of 70 marks	
<b>Content Assessed</b>	
<b>Pure Content</b> <ul style="list-style-type: none"><li>• <a href="#">Proof</a></li><li>• <a href="#">Surds</a></li><li>• <a href="#">Quadratic formula</a></li><li>• <a href="#">Equation of the circle</a></li><li>• <a href="#">Factor theorem &amp; factorising</a></li><li>• <a href="#">Exponential modelling</a></li><li>• <a href="#">Quotient rule</a></li><li>• <a href="#">Parametric equations</a></li></ul>	
<b>Statistics Content</b> <ul style="list-style-type: none"><li>• <a href="#">Sampling</a></li><li>• <a href="#">One variable statistics</a></li><li>• <a href="#">Probability</a></li><li>• <a href="#">Discrete random variables</a></li><li>• <a href="#">Binomial hypothesis testing</a></li><li>• <a href="#">Conditional probability</a></li><li>• <a href="#">Normal hypothesis testing</a></li><li>• <a href="#">Correlation and association</a></li></ul>	
<b>Other Information</b>	
<p>All content topics have been linked to the relevant page on the Integral website. Please use these pages as part of your revision as they contain notes, worked examples, walkthroughs and have questions for you to try. Please not however that maths is all connected so you may have more than one area of maths being assessed in the same question.</p> <p>Please also use you C1/C2 and chapter assessment papers as part of your revision too, as well as any lesson notes.</p> <p>Any further questions, please speak to your maths teachers.</p>	