

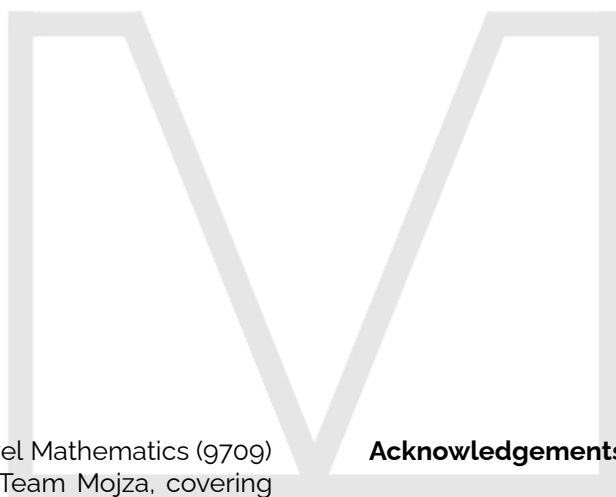
Examiner Tips

AS Level Maths P1

- SHOW ALL YOUR WORKING
- Recheck your answers, for example substitute your solutions back into original equation to see if you are getting the correct answer
- If a question asks for exact answers, do not do any rounding
- When a question states 'Hence', you must use the previous parts to get to your answer instead of a completely separate method
- Make sure to remember the negative result while taking square root unless the answer can not be negative
- In quadratic equations where there is no constant term - especially when trigonometry is involved - always factorise the equation instead of dividing the full equation by the trigonometric function or x , otherwise you will miss one solution
- When taking square root in finding inverse of a function, only include one sign, if the domain is >0 then the sign should be positive, if domain is <0 then sign should be negative
- For finding the range of a function, it is helpful to use a table with several values in your calculator
- Show your working when you make a substitution instead of giving a direct answer from a calculator, for example the limits of integration
- In trigonometry questions, make sure to check the range according to the variable. For example, if a question involves $\sin(2x)$, and the range is given as $0 < x < 180$, multiply this range by 2 to get the range of $2x$
- Sketch a diagram where it's not given to make things clearer for yourself
- Read the question properly to not miss any additional thing you have to find, for example the range of an inverse after finding the inverse
- Don't just write a formula, show the step of substituting values into it such as in the quadratic formula
- When a question says 'given instead that', the information in the previous parts is not valid and you can not use your previous answer
- Do not write with a pencil and overwrite with a pen, it makes it difficult to read Erased pencil working also appears in the scan, do all your working with a pen
Never assume anything

- Consider all possible solutions, then reject the ones which are not compatible with the conditions
- Diagrams given in the question can contain hints, for example the number of solutions
- Be careful about whether unknowns constants are positive or negative from the question
- Be mindful the angle unit, whether it's degrees or radians - always double check your calculator mode too
- In circle theorem questions, use radians. Especially make sure not to use degrees in a radians formula.
- Use exact answers in working wherever you can, or 5 significant figures for non-exact answers. Only round the final answer to 3 s.f.





A Note from Mojza

This resource for AS Level Mathematics (9709) has been prepared by Team Mojza, covering the content for AS Level 2022-24 syllabus. The content of this resource has been prepared with utmost care. We apologise for any issues overlooked; factual, grammatical or otherwise. We hope that you benefit from these and find them useful towards achieving your goals for your Cambridge examinations.

If you find any issues within these notes or have any feedback, please contact us at support@mojza.org.

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