



**Advanced Mathematics
Support Programme®**

Proof

Always, Sometimes, Never

Sort the cards into 3 categories:

- Those that are always true – prove this is the case
- Those that are sometimes true – find an example and a counter-example
- Those that are never true – prove this is the case

Always, Sometimes, Never

Which ones were hardest to prove?

Did you have to make any assumptions or accept some 'givens' to prove any of them?

Sine and Cosine Rule Proof

Two types of activity for each:

- Copy and complete
- Put the cards in order

You will be asked to either:

Do the copy and complete for the Sine rule and the ordering of cards for the Cosine rule

or

Do the copy and complete for the Cosine rule and the ordering of cards for the Sine rule

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Which was harder? Why do you think this?

About the AMSP

- A government-funded initiative, managed by MEI, providing national support for teachers and students in all state-funded schools and colleges in England.
- It aims to increase participation in AS/A level Mathematics and Further Mathematics, and Core Maths, and improve the teaching of these qualifications.
- Additional support is given to those in priority areas to boost social mobility so that, whatever their gender, background or location, students can choose their best maths pathway post-16, and have access to high quality maths teaching.

Contact the AMSP



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