



**Advanced Mathematics  
Support Programme®**

## Statement A

$x$  is an even number

## Statement B

$x$  is a multiple of 4

If statement A is true....

Is statement B always true or sometimes true?

## Statement A

$x$  is an even number

## Statement B

$x$  is a multiple of 4

If statement B is true....

Is statement A always true or sometimes true?

$$A \Rightarrow B$$

$$A \Leftrightarrow B$$

$$A \Leftarrow B$$

## Statement A

$$x > 45$$

## Statement B

$$x > 44.7$$

If statement A is true....

Is statement B always true or sometimes true?

## Statement A

$$x > 45$$

## Statement B

$$x > 44.7$$

If statement B is true....

Is statement A always true or sometimes true?

$$A \Rightarrow B$$

$$A \Leftrightarrow B$$

$$A \Leftarrow B$$

## Statement A

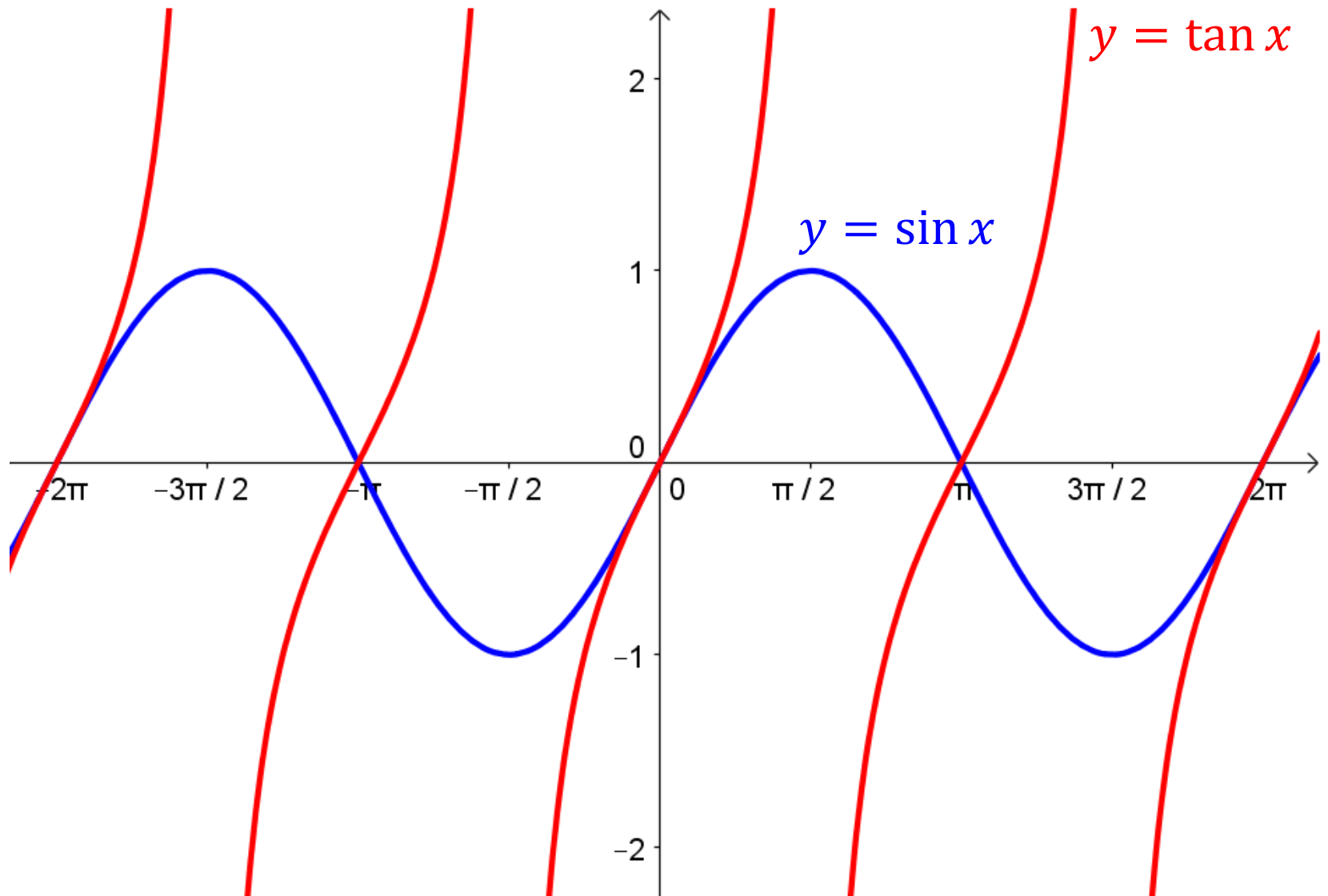
$$\sin x > 0$$

## Statement B

$$\tan x > 0$$

If statement A is true....

Is statement B always true or sometimes true?



## Statement A

$$\sin x > 0$$

## Statement B

$$\tan x > 0$$

If statement B is true....

Is statement A always true or sometimes true?

$$A \Rightarrow B$$

$$A \Leftrightarrow B$$

$$A \Leftarrow B$$



# 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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Advanced\_Maths