



Trigonometric Addition and Subtraction Formulas

Today's Standard

HSF.TF.C9 - (+) Prove the addition and subtraction formulas for sine, cosine, and tangent and use them to solve problems.

Cues	Notes
Trigonometric functions	Trigonometric functions include sine, cosine, and tangent.
Addition formulas	Addition formulas for sine and cosine involve combining angles.
Subtraction formulas	Subtraction formulas for sine and cosine involve subtracting angles.
Real-world applications	These formulas are used in navigation, engineering, and physics.
Common misconceptions	Misconceptions include thinking the formulas are identical or purely theoretical.

Summary

Understanding and applying the addition and subtraction formulas for sine, cosine, and tangent are crucial in trigonometry. These formulas have practical applications in various fields, and recognizing common misconceptions helps in mastering the topic.