



Sine and Cosine Relationships

Today's Standard

HSG.SRT.C7 - Explain and use the relationship between the sine and cosine of complementary angles.

Cues	Notes
What are complementary angles?	Complementary angles add up to 90 degrees.
How are sine and cosine related for complementary angles?	The sine of one angle is equal to the cosine of its complement.
Why is this relationship important?	This relationship is fundamental in trigonometry and helps solve various real-world problems.
What are common misconceptions?	Common misconceptions include thinking sine and cosine of complementary angles are unrelated and confusing complementary with supplementary angles.
How can we correct these misconceptions?	Use visual aids, interactive tools, and clear definitions to correct misconceptions.

Summary

Understanding the relationship between the sine and cosine of complementary angles is crucial in trigonometry. This standard helps lay the foundation for more advanced concepts and real-world applications.