

CC - Common Core State Standards

{MA.9-12.HSG-SRT.7} Explain and use the relationship between the sine and cosine of complementary angles.

{MA.9-12.HSG-SRT.6} Understand that by similarity, side ratios in right triangles are properties of the angles in the triangle, leading to definitions of trigonometric ratios for acute angles.

{MA.9-12.HSG-SRT.8} Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.

NJCCCS - New Jersey Core Curriculum Content Standards

{MA.12.4.2.12 E.1.2} Pythagorean theorem

{MA.12.4.2.12 E.1.3} Right triangle trigonometry (sine, cosine, tangent)

Route 21 Standards:

Learning and Innovation Skills

Critical Thinking & Problem Solving

Solve Problems

- Solve different kinds of non-familiar problems in both conventional and innovative ways

Information, Media and Technology Skills

Information Literacy

Use and Manage Information

- Use information accurately and creatively for the issue or problem at hand

ICT (Information, Communications & Technology) Literacy

Apply Technology Effectively

- Use technology as a tool to research, organize, evaluate and communicate information

NETS-S Standards:

6. Technology Operations and Concepts

Students demonstrate a sound understanding of technology concepts, systems, and operations.

a. Understand and use technology systems