Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	**Standard:** G.SRT.7 - Explain and use the relationship between the sine and cosine of complementary angles.
Similarity, Right Triangles, and Trigonometry **Define trigonometric ratios and solve problems involving right triangles**	Questions to Focus Learning What is the relationship of the cosine and the sine of two complementary angles? The sine and cosine of complementary angles are related. Student Friendly Objectives *Knowledge Targets* I know that the cosine and the sine of two complementary angles are equal to each other. *Reasoning Targets* I can explain and use the relationship between the sine and the cosine of the complementary angles in a right triangle. Vocabulary complementary cosine sine Teacher Tips

	Vertical Progression G.SRT.8 - Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems. *(Modeling Standard) G.SRT.9 - Derive the formula A = 1/2 ab sin(C) for the area of a triangle by drawing an auxiliary line from a vertex perpendicular to the opposite side. G.SRT.10 - Prove the Laws of Sines and Cosines and use them to solve problems. G.SRT.11 - Understand and apply the Law of Sines and the Law of Cosines to find unknown measurements in right and non-right triangles (e.g., surveying problems, resultant forces).

The above information and more can be accessed for free on the Wiki-Teacher website.
Direct link for this standard: G.SRT.7