

Algebra 2
Unit: Trigonometric Functions
Section: Right Triangle Trigonometry

Flashcards: Solving Right Triangles Using Trigonometric Ratios

Directions: Find the given trigonometric function.

For all problems, triangle ABC is used, with right angle B and acute angles A and C. The hypotenuse is side AC and is equal to 5, side AB is equal to 4, and side BC is equal to 3.

1. Find sine of A.
2. Find cosine of C.
3. Find tangent of C.
4. Find secant of A.

Answers:

1. Sine of A equals opposite over hypotenuse equals three-fifths.
2. Cosine of C equals adjacent over hypotenuse equals three-fifths.
3. Tangent of C equals opposite over adjacent equals four-thirds.
4. Secant of A equals hypotenuse over adjacent equals five-fourths.