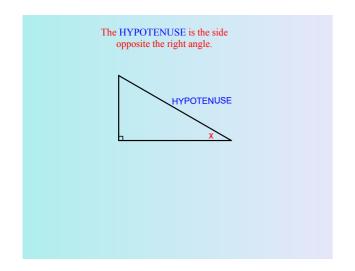
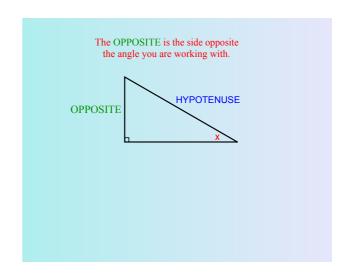
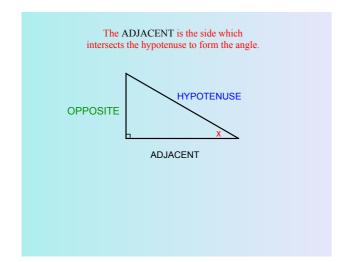
## **Lesson Objectives:**

- to recognize and write the 3 basic trigonometric ratios
- to identify the sine, cosine and tangent of of a special right triangle
- to identify the sine, cosine and tangent of any right triangle.

## RIGHT TRIANGLE TRIGONOMETRY Trigonometry comes from the Greek words trigonon and metria meaning "triangle measurement." The Greek mathematicians Hipparchus of Nicaea and Ptolemy created the discipline of trigonometry more than 2000 years ago, primarily to study astronomy.

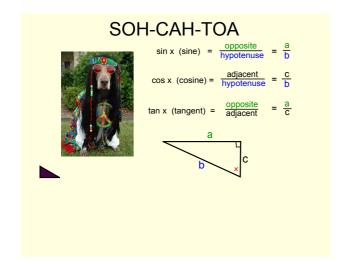


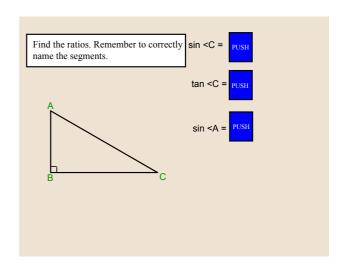


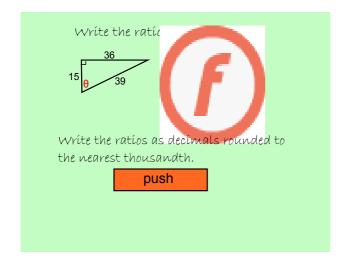


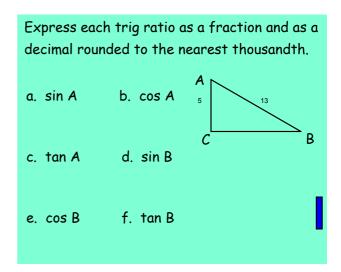
Here is someone who can help you remember the trig ratios.

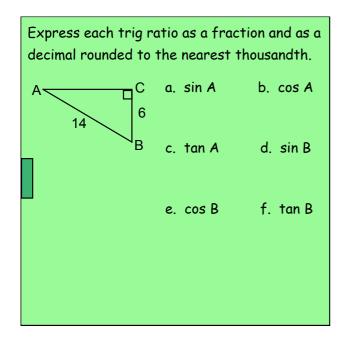
He is Chief SOH-CAH-TOA of the trigonometric tribe. He knows all about trigonometry.



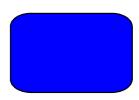


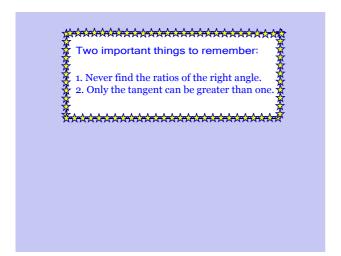






What do you notice about the values of the trig ratios?





Day 2 Trig Ratio's of Special Right Triangles

Draw and label the special right triangles.

