12.1 Trigonometric Ratios Day 2

Purpose:

To find the missing sides and angles of right triangles.

Learning Target:

- a. Given a right triangle, I can define the sine, cosine, and tangent ratios from an unknown angle.
- b. I can use Trigonometric Ratios to solve for unknown sides and angles in a right triangle.

Finding Missing Sides

You can find trigonometric ratios using your calculator!

**** Make sure your calculator is in Degree Mode****

Examples: Find the values using your calculator Round to

1. sin 45°

.707

2. $\cos 87^{\circ}$

.052

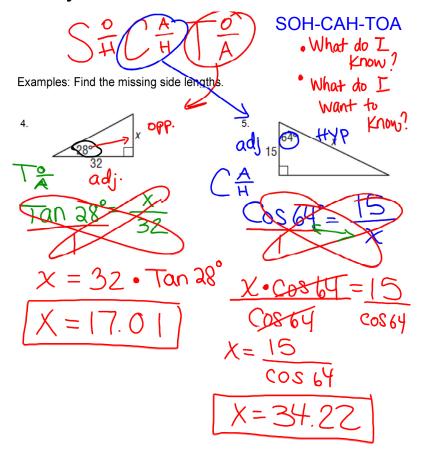
3. tan 37°

.754

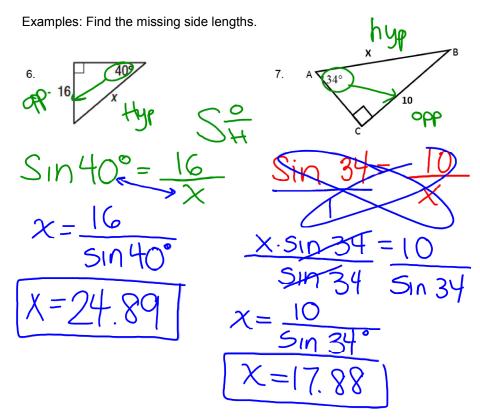
Thousandths

12.1 Trig Ratios Day 1 and Day 2 Notes.notebook

February 07, 2017

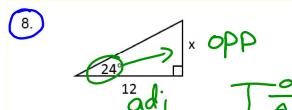


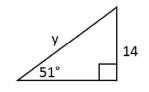
SOH-CAH-TOA



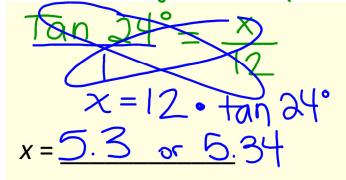
SACA(TA)

Find the missing sides of the triangle. Round your answers to the nearest tenth





9.



10. Soon we will talk about inscribed angles and discover that their measure is half the arc that they intersect. Find g assuming that the triangle below is a right triangle.

