Notes Trig Ratios in Right Triangles (sides)

Name: _____ Date: _____ Period: _____

Learning Target: _____

_____

If a triangle is not a special right triangle we can use something called trig ratios to find missing sides and angles. There are three trig ratios:

- _____

- _____

- _____

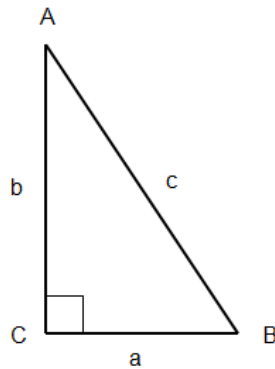- *SOH   CAH   TOA (acronym to help you remember)*

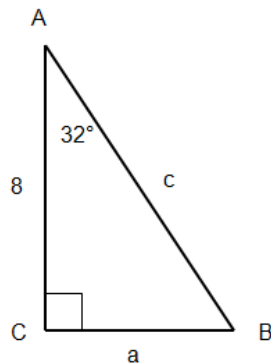*Only works for acute angles in right triangle!*

<u>Diagram</u>

Sin A=   Cos A=

Tan A=   Sin B=

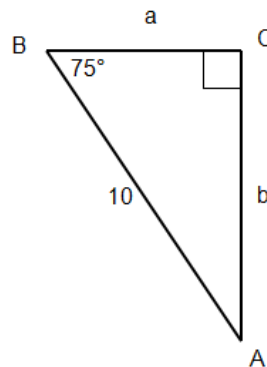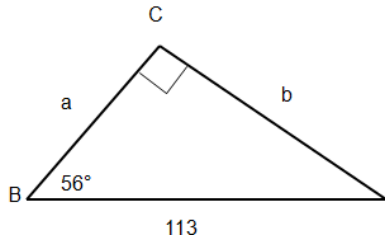*Cos B=   Tan B=*

Example 1: Use trig ratios to solve for
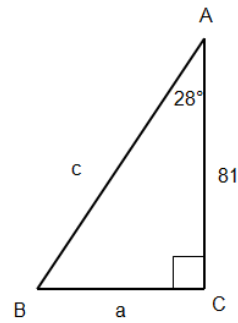missing sides and angles

Example 2: Use trig ratios to solve for
missing sides and angles
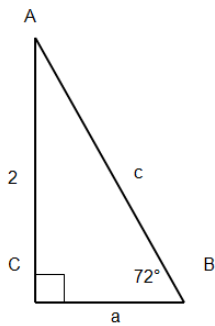
Example 3: Use trig ratios to solve for
            missing sides and angles

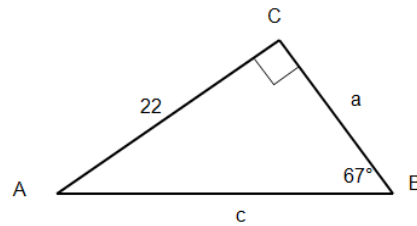Example 4: Use trig ratios to solve for
            missing sides and angles
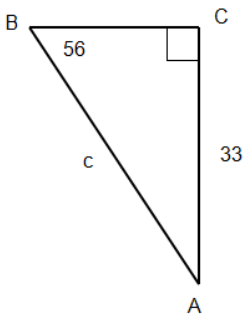

Example 5: Use trig ratios to solve for
            missing sides and angles
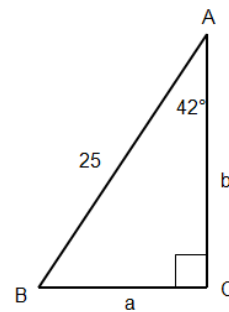

Practice 1: Use trig ratios to solve for
             missing sides and angles

Practice 2: Use trig ratios to solve for
            missing sides and angles

Practice 3: Use trig ratios to solve for
            missing sides and angles

<u>Show me you know it!</u>
How do you decide which trig ratio to use? _____

_____

_____