

Geometry

Unit 7 Lesson 4 Trigonometry Part A

Name:

Date:

Period: 1 2 3 4 5 6

Goal:

Trigonometric Ratios:

Sine

of an angle

Cosine

of an angle

Tangent

of an angle

Q: How can you remember the trig ratios?

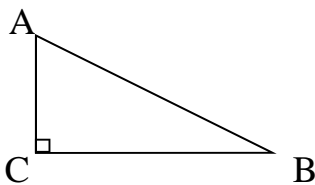
A:

Q: How can you use Trig ratios to find a missing side?

A:

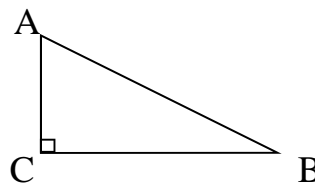
- 1.
- 2.
- 3.

Ex 1)



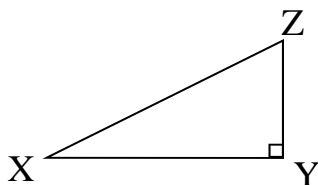
$$\begin{aligned}\sin A &= \\ \cos A &= \\ \tan A &= \end{aligned}$$

Ex 2)



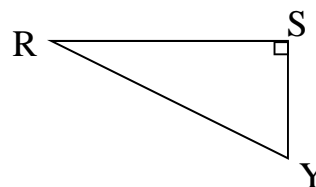
$$\begin{aligned}\sin B &= \\ \cos B &= \\ \tan C &= \end{aligned}$$

Ex 3)



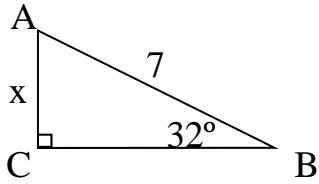
$$\begin{aligned}\sin X &= \\ \cos Z &= \\ \tan X &= \end{aligned}$$

Ex 4)

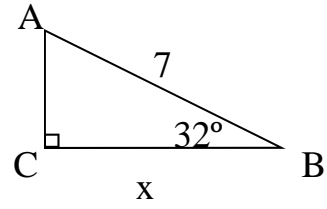


$$\begin{aligned}\sin T &= \\ \cos T &= \\ \tan R &= \end{aligned}$$

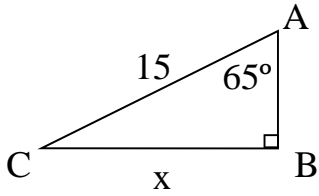
Ex 5) Write an Equation to solve for x



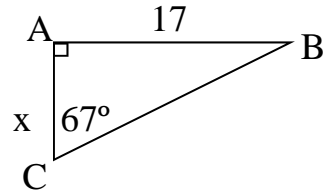
Ex 6) Write an Equation to solve for x



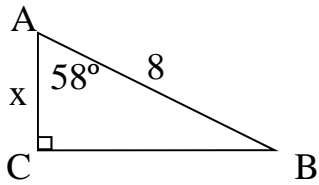
Ex 7) Write an Equation to solve for x



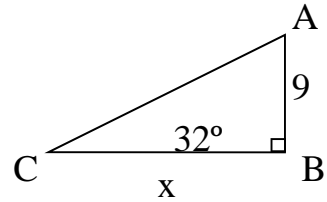
Ex 8) Write an Equation to solve for x



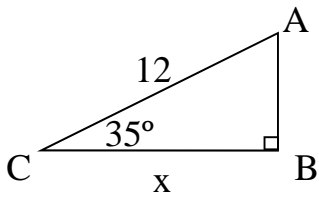
Ex 9) Write an Equation to solve for x



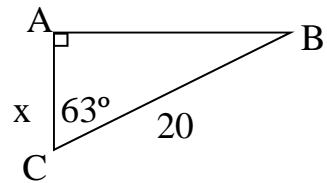
Ex 10) Write an Equation to solve for x



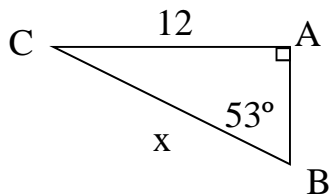
Ex 11) Write an Equation to solve for x



Ex 12) Write an Equation to solve for x



Ex 13) Write an Equation to solve for x



Ex 14) Write an Equation to solve for x

