

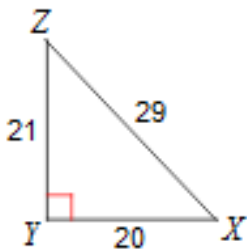
Unit 5 Lesson 2 – Using Trig Functions to find missing angles

*For trig functions make sure your calculator is in degree mode.

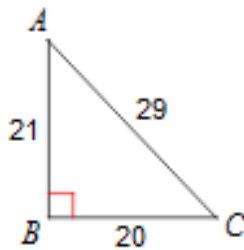
Trig Function	Sides
Sin	
Cos	
Tan	

Find the value of each trigonometric ratio. Simplify your ratio if possible.

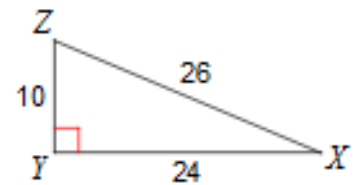
$\cos X$



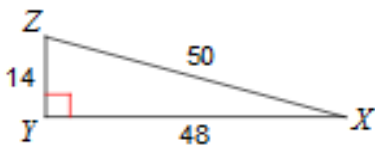
$\sin A$



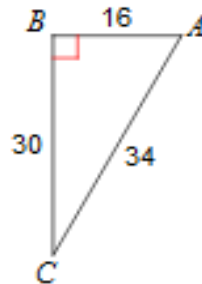
$\tan X$



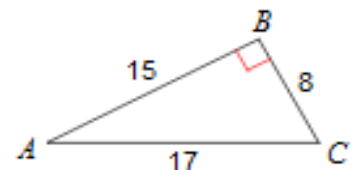
$\cos X$



$\sin C$



$\tan A$



Find the value of each trig function to the nearest degree:

1. $\cos(Z) = 0.8746$ _____

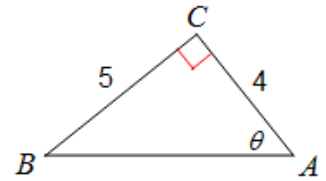
3. $\tan(W) = 1.7321$ _____

2. $\tan(Z) = 0.2126$ _____

4. $\sin(W) = 0.1564$ _____

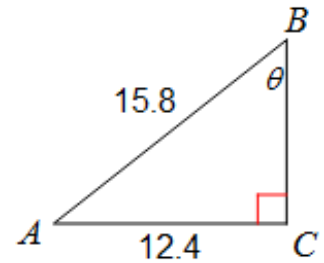
1. Find the length of the missing angle. Round your answer to the nearest tenth.

- Know the _____ and _____
- Use: SIN COS TAN



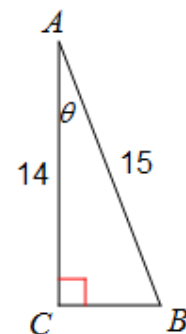
2. Find the length of the missing angle. Round your answer to the nearest tenth.

- Know the _____ and _____
- Use: SIN COS TAN



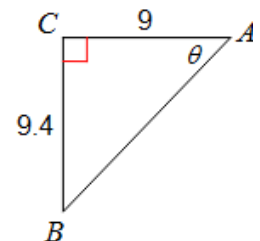
3. Find the length of the missing angle. Round your answer to the nearest tenth.

- Know the _____ and _____
- Use: SIN COS TAN



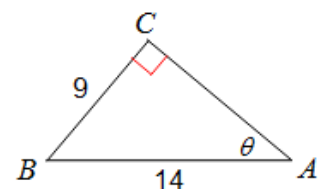
4. Find the length of the missing angle. Round your answer to the nearest tenth.

- Know the _____ and _____
- Use: SIN COS TAN



5. Find the length of the missing angle. Round your answer to the nearest tenth.

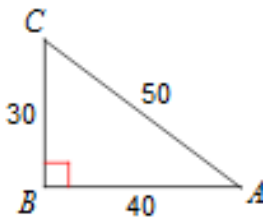
- Know the _____ and _____
- Use: SIN COS TAN



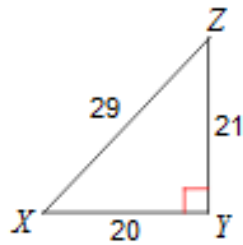
Unit 5 Lesson 2 Practice--- Finding Missing Angles Using Trig Functions

Find the value of each trig ratio:

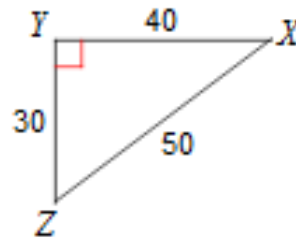
1) $\cos A$



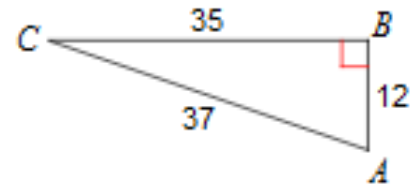
2) $\cos X$



3) $\tan Z$



4) $\cos C$



Find each angle measure to the nearest degree:

5) $\sin(U) = 0.9569$ _____

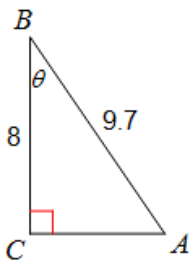
7) $\tan(B) = 2.9042$ _____

6) $\tan(W) = 2.4751$ _____

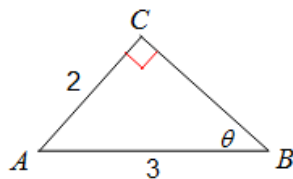
8) $\cos(u) = 0.5446$ _____

Find the measure of each angle indicated to the nearest tenth degree:

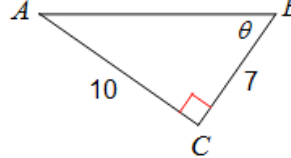
9)



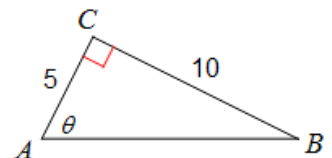
10)



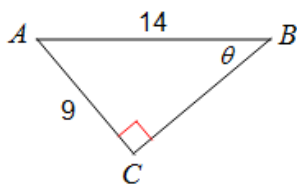
11)



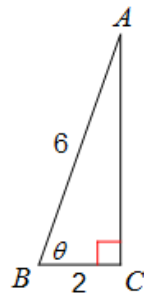
12)



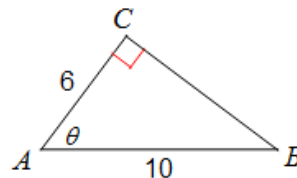
13)



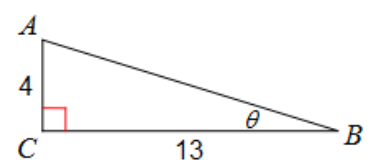
14)



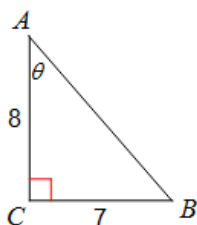
15)



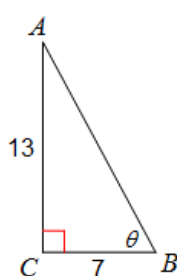
16)



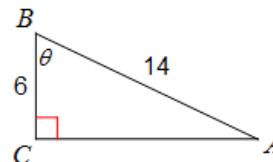
17)



18)



19)



20)

