

## Unit 5 Lesson 3 – Finding Missing Sides of Right Triangles Using Trig Functions

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

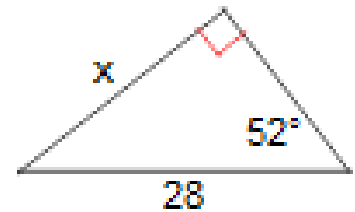
Trig Function	Sides
Sin	
Cos	
Tan	

### Finding Missing Side Lengths

- Determine which trig ratio you will use based on the side you \_\_\_\_\_ and the side you \_\_\_\_\_ to know
- Fill in the information you know, remember that the \_\_\_\_\_ is always inside ( ) the trig function

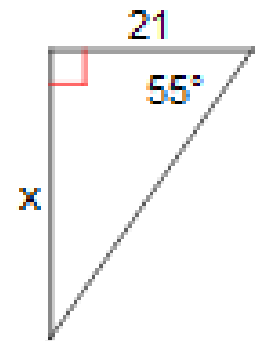
1. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$



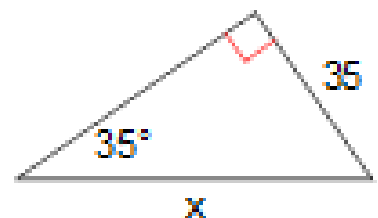
2. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$



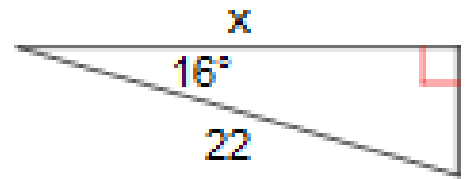
3. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$



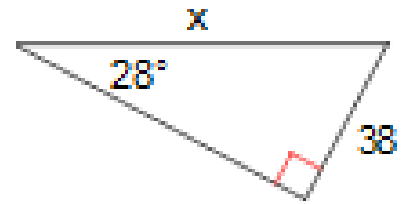
4. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$



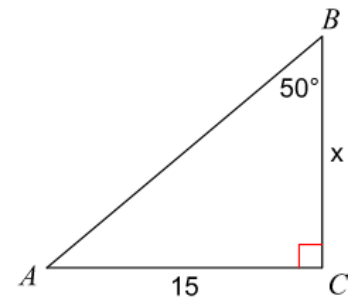
5. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$



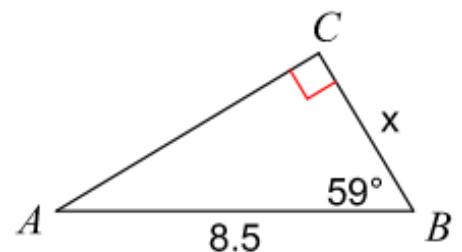
6. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$



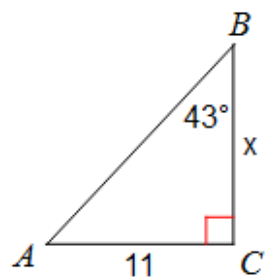
7. Find the length of the missing side. Round your answer to the nearest tenth.

- Know the \_\_\_\_\_
- Trying to find the \_\_\_\_\_
- Use:  $\sin$   $\cos$   $\tan$

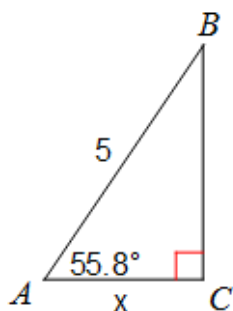


**Unit 5 Lesson 3 Practice - Finding Missing Sides using Trig Functions**

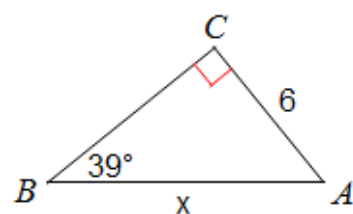
1)



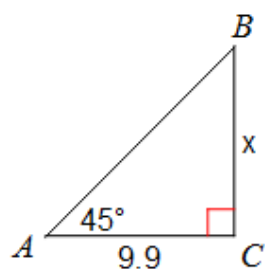
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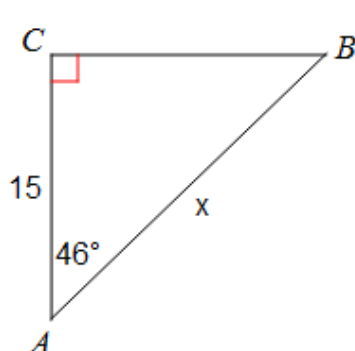
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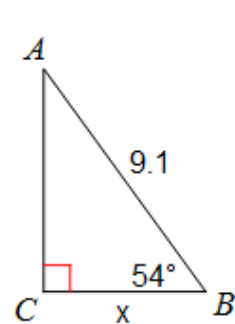
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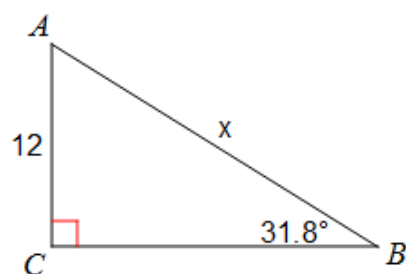
5)



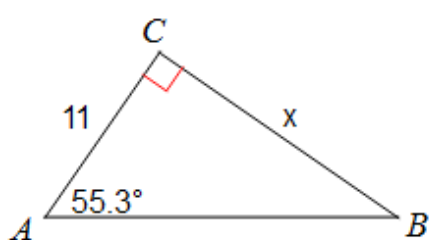
6)



7)



8)



9)

