

Finding missing angles in right triangle-Note      Name: \_\_\_\_\_

Inverse operation: \_\_\_\_\_

Trig Functions also has \_\_\_\_\_

Examples:

1- Find the measure of each angle (round to the nearest tenth)

$\sin x = 0.829$

$\cos y = 0.743$

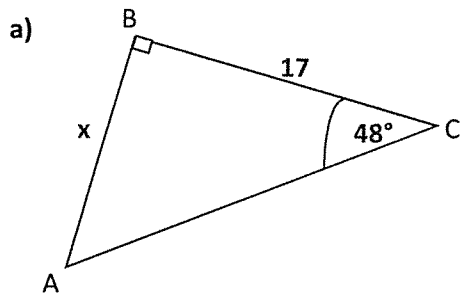
$\tan z = 4.705$

$\cos A = 0.1114$

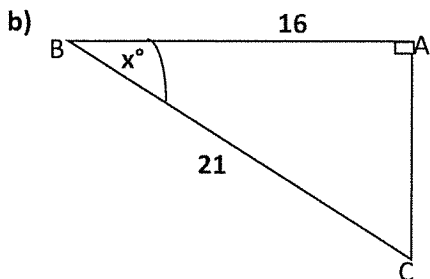
$\sin B = .9734$

$\tan C = 4.0332$

2- Find  $x$  in each and round to the nearest tenth

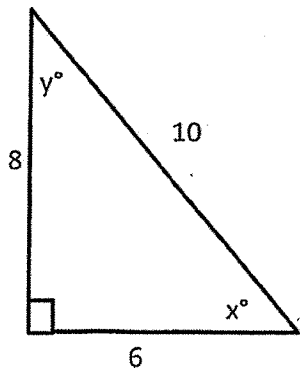


SOH CAH TOH



SOH CAH TOA

c)



Find x and y

SOH CAH TOA

## Using Trigonometry to Find Angle Measures

Find each angle measure to the nearest degree.

1)  $\tan A = 2.0503$

2)  $\cos Z = 0.1219$

3)  $\tan Y = 0.6494$

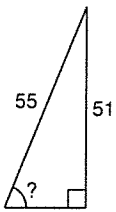
4)  $\sin U = 0.8746$

5)  $\cos V = 0.6820$

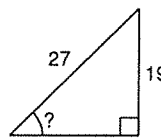
6)  $\sin C = 0.2756$

Find the measure of the indicated angle to the nearest degree.

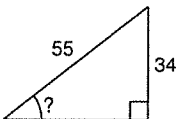
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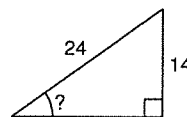
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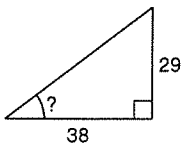
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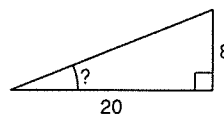
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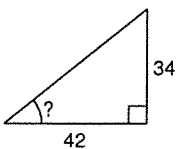
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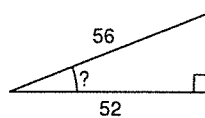
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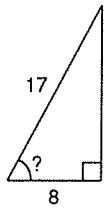
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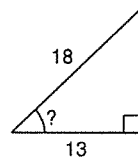
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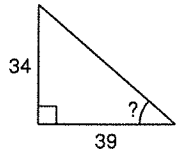
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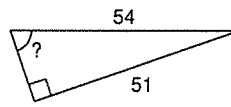
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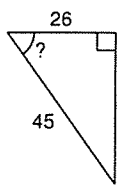
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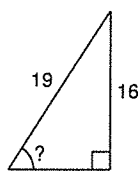
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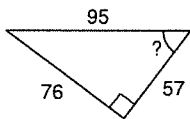
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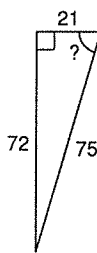
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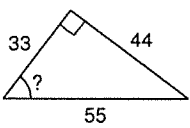
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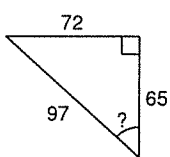
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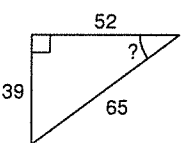
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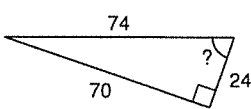
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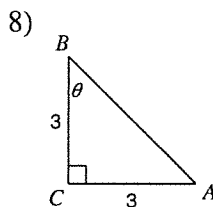
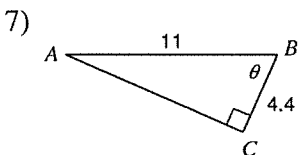
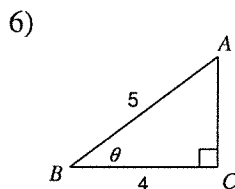
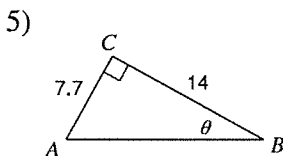
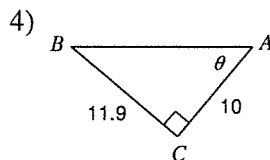
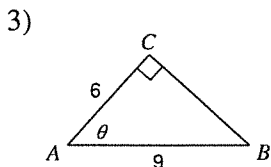
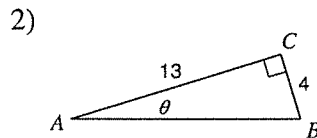
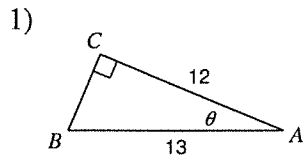


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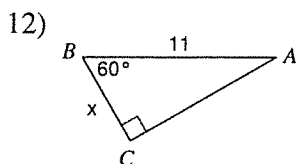
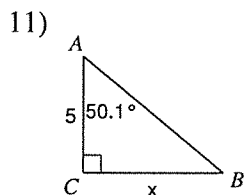
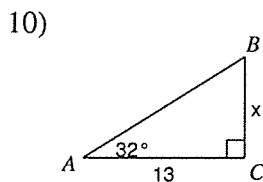
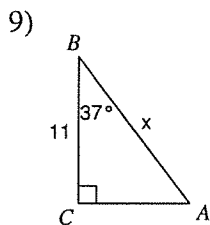


Right Triangle Trig. - Finding Missing Sides and Angles Date \_\_\_\_\_ Period \_\_\_\_\_

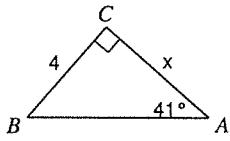
Find the measure of each angle indicated. Round to the nearest tenth.



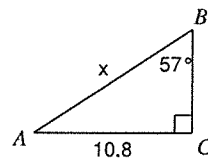
Find the measure of each side indicated. Round to the nearest tenth.



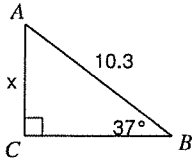
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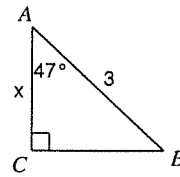
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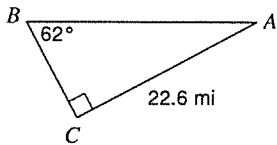


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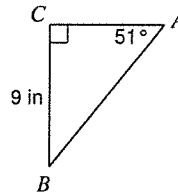


Solve each triangle. Round answers to the nearest tenth.

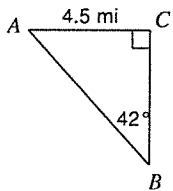
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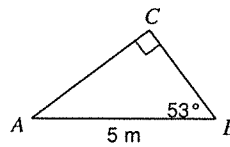
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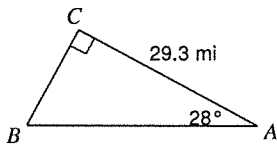
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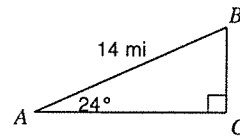
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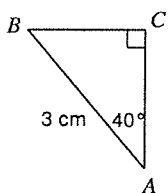
21)



22)



23)



24)

