

## 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)  $\tan Y = 0.6494$

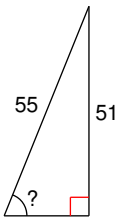
4)  $\sin U = 0.8746$

5)  $\cos V = 0.6820$

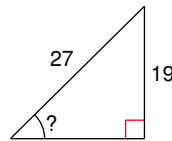
6)  $\sin C = 0.2756$

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

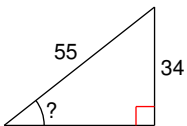
7)



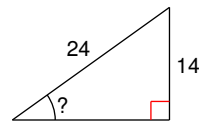
8)



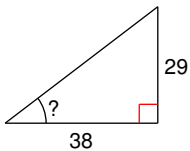
9)



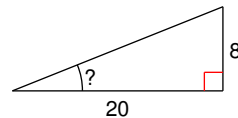
10)



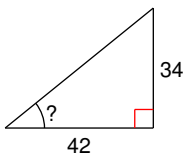
11)



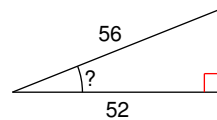
12)



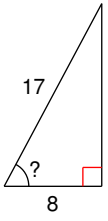
13)



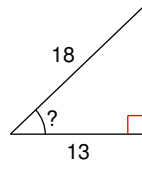
14)



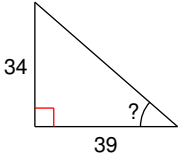
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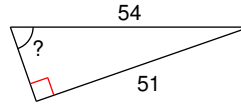
16)



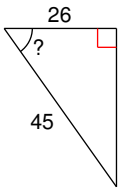
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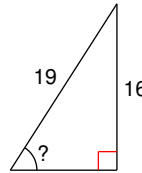
18)



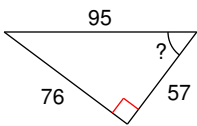
19)



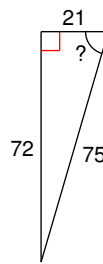
20)



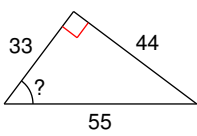
21)



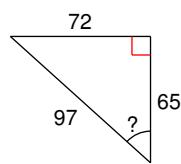
22)



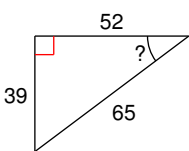
23)



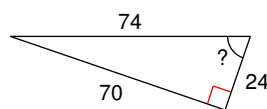
24)



25)



26)



## Using Trigonometry to Find Angle Measures

Find each angle measure to the nearest degree.

1)  $\tan A = 2.0503$

$64^\circ$

2)  $\cos Z = 0.1219$

$83^\circ$

3)  $\tan Y = 0.6494$

$33^\circ$

4)  $\sin U = 0.8746$

$61^\circ$

5)  $\cos V = 0.6820$

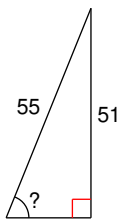
$47^\circ$

6)  $\sin C = 0.2756$

$16^\circ$

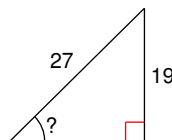
Find the measure of the indicated angle to the nearest degree.

7)



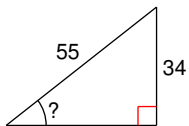
$68^\circ$

8)



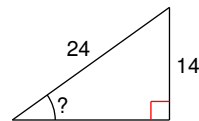
$45^\circ$

9)



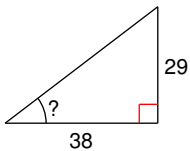
$38^\circ$

10)



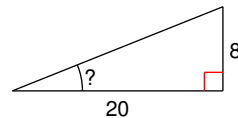
$36^\circ$

11)



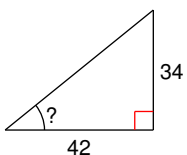
$37^\circ$

12)



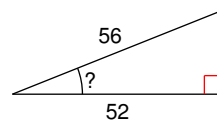
$22^\circ$

13)



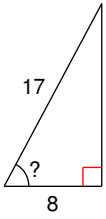
$39^\circ$

14)

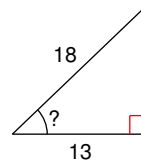


$22^\circ$

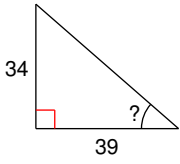
15)

 $62^\circ$ 

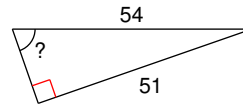
16)

 $44^\circ$ 

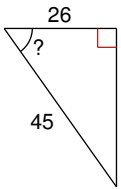
17)

 $41^\circ$ 

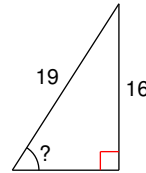
18)

 $71^\circ$ 

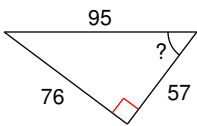
19)

 $55^\circ$ 

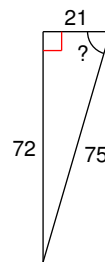
20)

 $57^\circ$ 

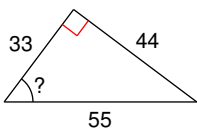
21)

 $53^\circ$ 

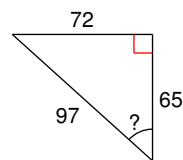
22)

 $74^\circ$ 

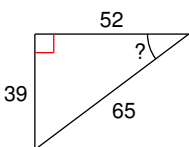
23)

 $53^\circ$ 

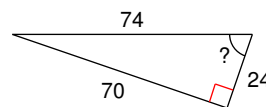
24)

 $48^\circ$ 

25)

 $37^\circ$ 

26)

 $71^\circ$