

## 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)  $\cos V = 0.6820$

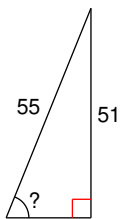
$47^\circ$

6)  $\sin C = 0.2756$

$16^\circ$

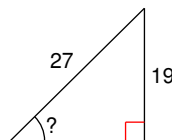
Find the measure of the indicated angle to the nearest degree.

7)



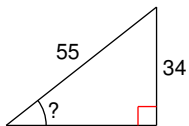
$68^\circ$

8)



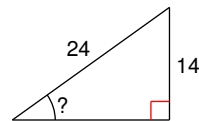
$45^\circ$

9)



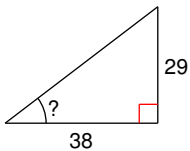
$38^\circ$

10)



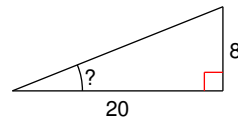
$36^\circ$

11)



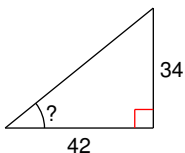
$37^\circ$

12)



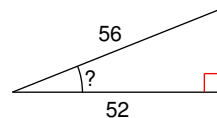
$22^\circ$

13)



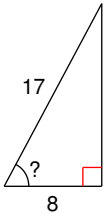
$39^\circ$

14)



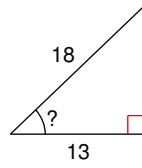
$22^\circ$

15)



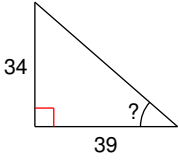
62°

16)



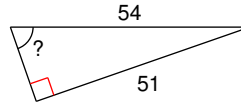
44°

17)



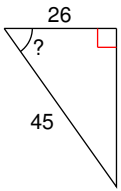
41°

18)



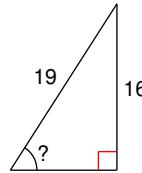
71°

19)



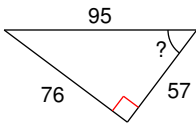
55°

20)



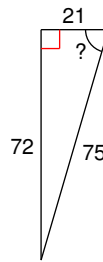
57°

21)



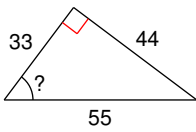
53°

22)



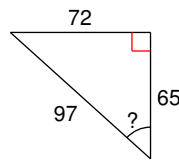
74°

23)



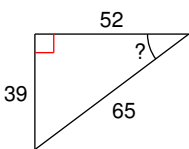
53°

24)



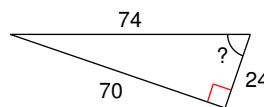
48°

25)



37°

26)



71°