

**SOH CAH TOA**

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Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the value of each trigonometric ratio to the nearest ten-thousandth.**

1)  $\sin 16^\circ$

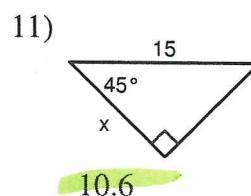
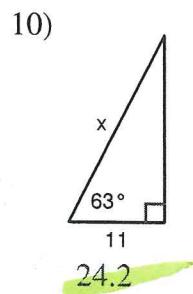
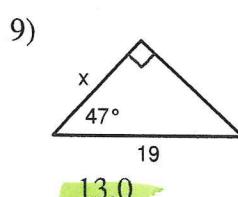
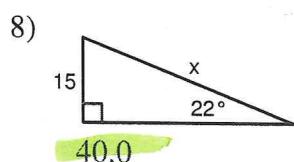
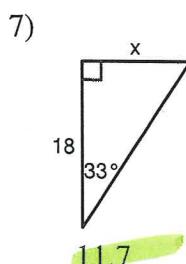
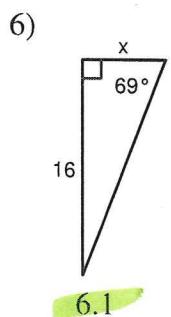
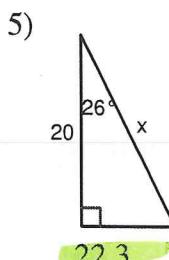
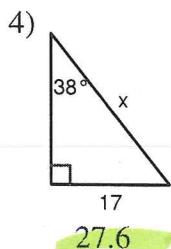
0.2756

2)  $\cos 54^\circ$

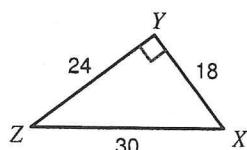
0.5878

3)  $\tan 88^\circ$

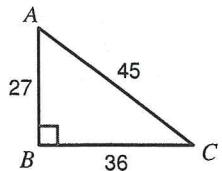
28.6363

**Find the missing side. Round to the nearest tenth.****Find the value of each trigonometric ratio.**

12)  $\sin X$

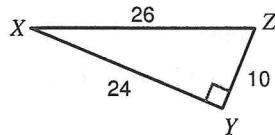
$$\frac{4}{5}$$


13)  $\cos A$



$\frac{3}{5}$

14)  $\tan X$



$\frac{5}{12}$

Find each angle measure to the nearest degree.

15)  $\sin A = 0.4067$

$24^\circ$

17)  $\tan W = 0.1584$

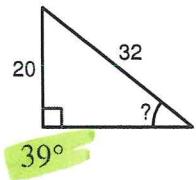
$9^\circ$

16)  $\cos Z = 0.9272$

$22^\circ$

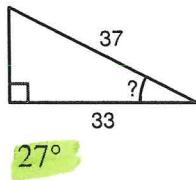
Find the measure of the indicated angle to the nearest degree.

18)



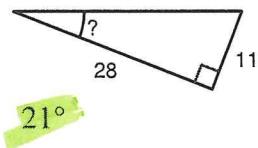
$39^\circ$

19)



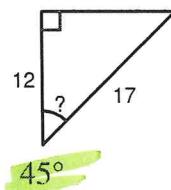
$27^\circ$

20)



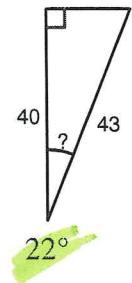
$21^\circ$

21)



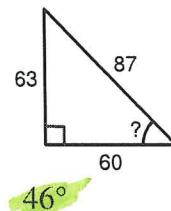
$45^\circ$

22)



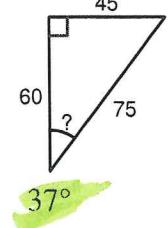
$22^\circ$

23)



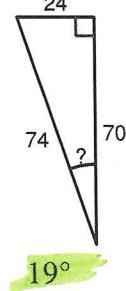
$46^\circ$

24)



$37^\circ$

25)



$19^\circ$