

Solving Triangles with SOHCAHTOA

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

1) $\cos 6^\circ$

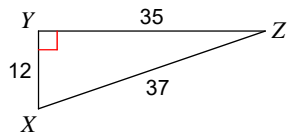
2) $\sin 26^\circ$

3) $\sin 85^\circ$

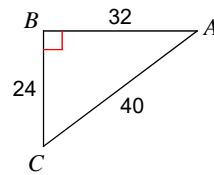
4) $\cos 58^\circ$

Find the value of each trigonometric ratio.

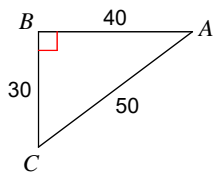
5) $\tan X$



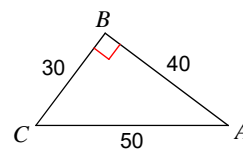
6) $\cos C$



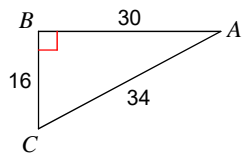
7) $\sin A$



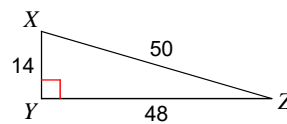
8) $\cos A$



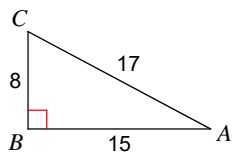
9) $\cos C$



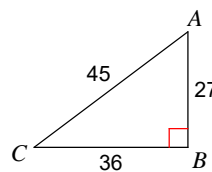
10) $\sin X$



11) $\tan A$

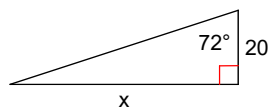


12) $\sin A$

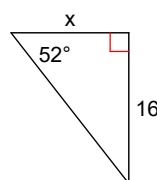


Find the missing side. Round to the nearest tenth.

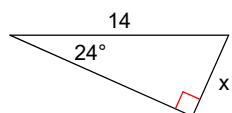
13)



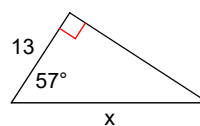
14)

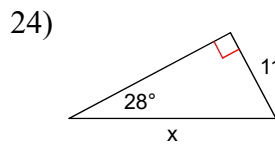
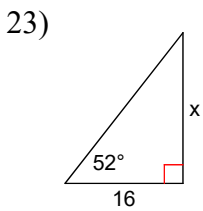
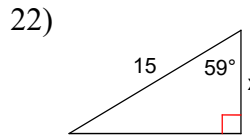
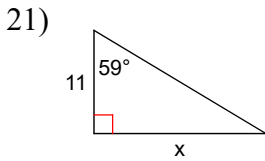
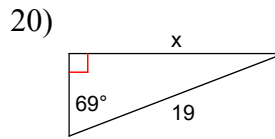
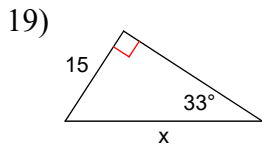
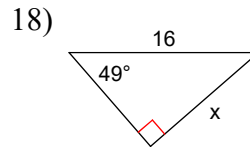
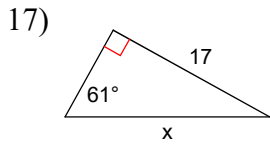


15)

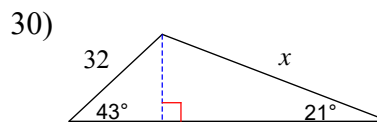
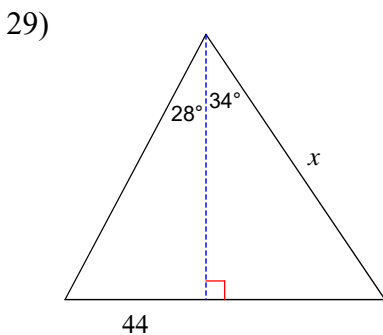
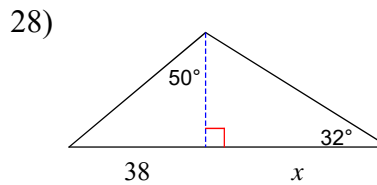
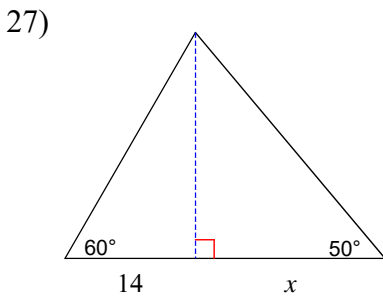
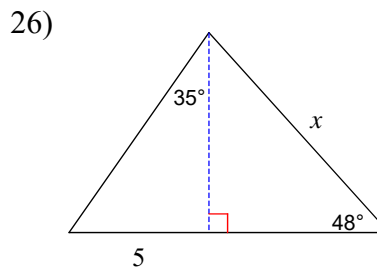
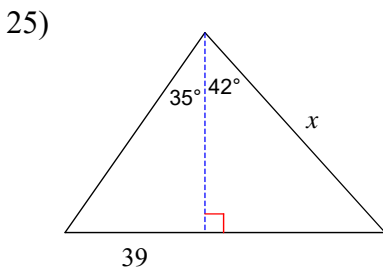


16)





Find the length of the side labeled x . Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.



Answers to Solving Triangles with SOHCAHTOA (ID: 1)

1) 0.9945

2) 0.4384

3) 0.9962

4) 0.5299

5) $\frac{35}{12}$

6) $\frac{3}{5}$

7) $\frac{3}{5}$

8) $\frac{4}{5}$

9) $\frac{8}{17}$

10) $\frac{24}{25}$

11) $\frac{8}{15}$

12) $\frac{4}{5}$

13) 61.6

14) 12.5

15) 5.7

16) 23.9

17) 19.4

18) 12.1

19) 27.5

20) 17.7

21) 18.3

22) 7.7

23) 20.5

24) 23.4

25) 75

26) 9.6

27) 20.3

28) 51.1

29) 99.9

30) 60.8