

Trigonometry Practice

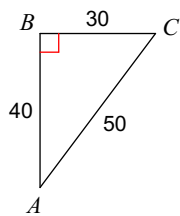
Find the value of each trigonometric ratio to the nearest ten-thousandth.

1) $\cos 64^\circ$

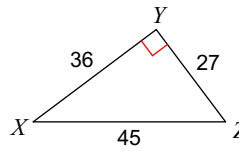
2) $\sin 61^\circ$

Find the value of each trigonometric ratio.

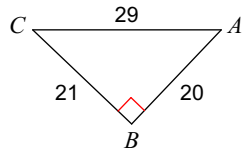
3) $\tan A$



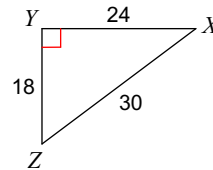
4) $\tan X$



5) $\sin A$

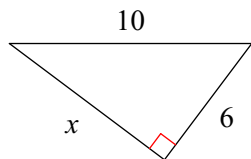


6) $\cos X$

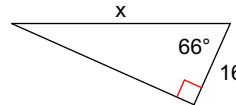


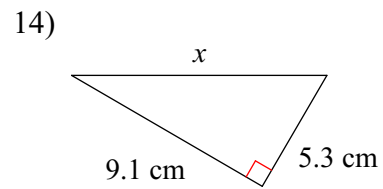
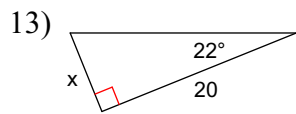
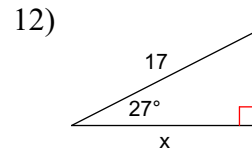
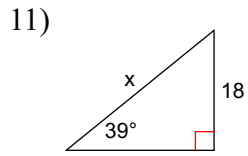
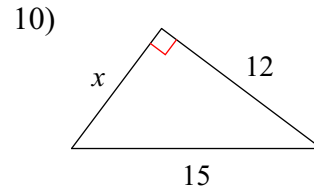
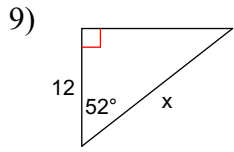
Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

7)

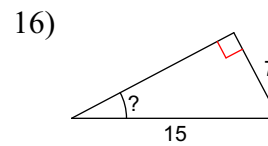
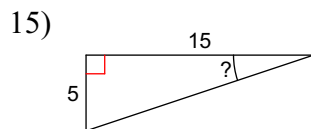


8)

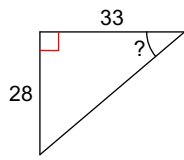




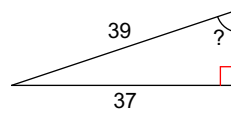
Find the measure of the indicated angle to the nearest degree.



17)

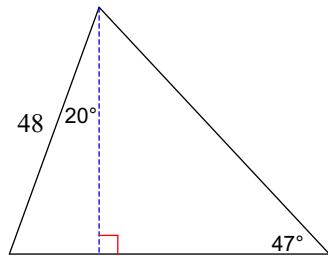


18)

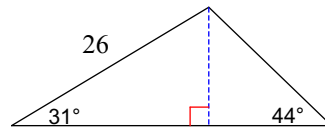


Find the area. Round your answers to the nearest tenth. Show all work!

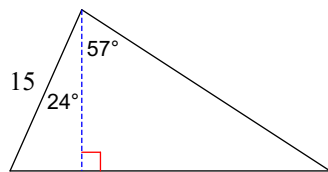
19)



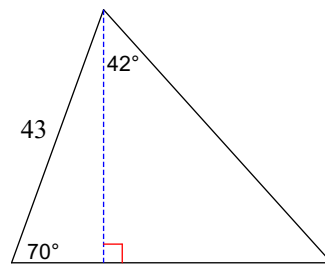
20)



21)



22)



Answers to Trigonometry Practice

1) 0.4384

2) 0.8746

3) $\frac{3}{4}$

4) $\frac{3}{4}$

5) $\frac{21}{29}$

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

7) 8

8) 39.3

9) 19.5

10) 9

11) 28.6

12) 15.1

13) 8.1

14) 10.5 cm

15) 18°

16) 28°

17) 40°

18) 72°

19) 1319.2

20) 242.5

21) 186.3

22) 1032.2