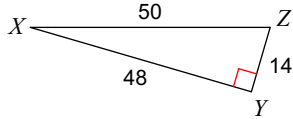


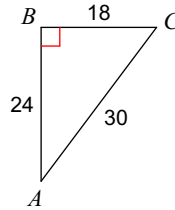
10.1 - Trig Ratios and Sides

Find the value of each trigonometric ratio.

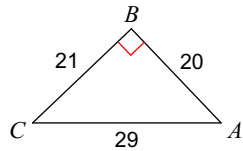
1) $\cos Z$



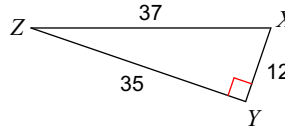
2) $\cos A$



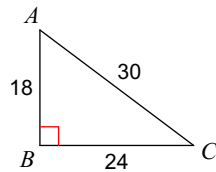
3) $\cos C$



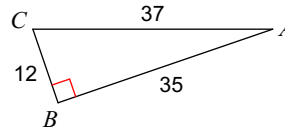
4) $\tan X$



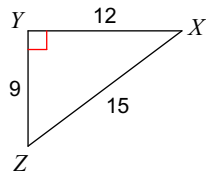
5) $\tan A$



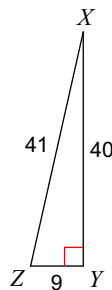
6) $\sin C$



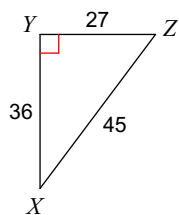
7) $\sin X$



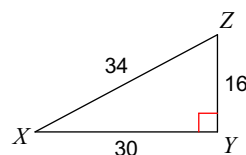
8) $\sin X$



9) $\cos X$



10) $\sin X$



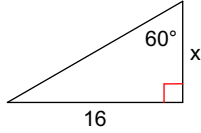
Find the value of each trigonometric ratio to the nearest ten-thousandth.

11) $\cos 43^\circ$

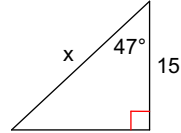
12) $\cos 41^\circ$

Find the missing side. Round to the nearest tenth.

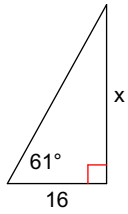
13)



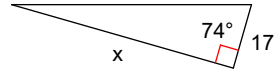
14)



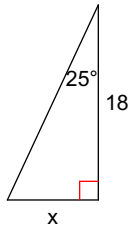
15)



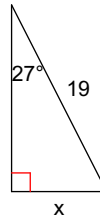
16)



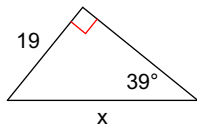
17)



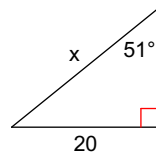
18)



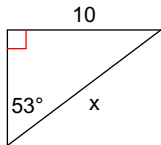
19)



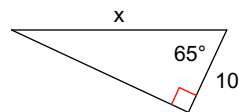
20)



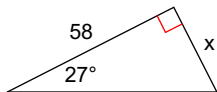
21)



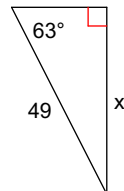
22)



23)



24)



Answers to 10.1 - Trig Ratios and Sides

1) $\frac{7}{25}$

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

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

13) 9.2

17) 8.4

21) 12.5

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

6) $\frac{35}{37}$

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

14) 22.0

18) 8.6

22) 23.7

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

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

11) 0.7314

15) 28.9

19) 30.2

23) 29.6

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

8) $\frac{9}{41}$

12) 0.7547

16) 59.3

20) 25.7

24) 43.7