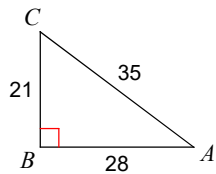


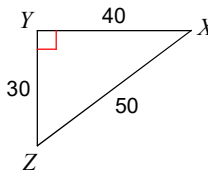
Assignment

Find the value of each trigonometric ratio. Leave your answers as simplified fractions.

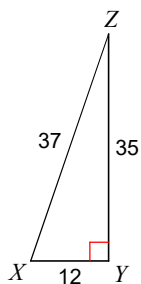
1) $\tan C$



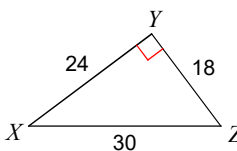
2) $\tan X$



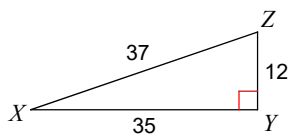
3) $\tan Z$



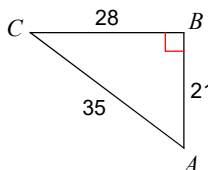
4) $\tan Z$



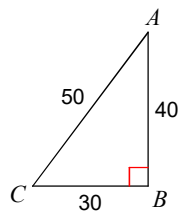
5) $\sin X$



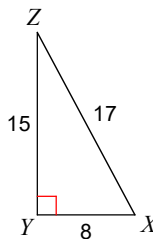
6) $\sin A$



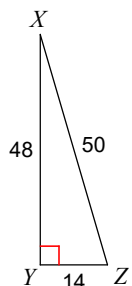
7) $\sin C$



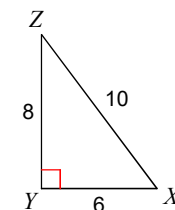
8) $\sin Z$



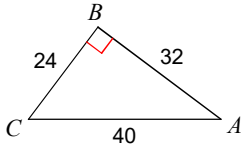
9) $\cos Z$



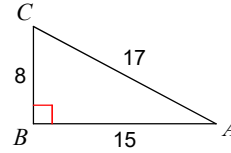
10) $\cos Z$



11) $\cos A$

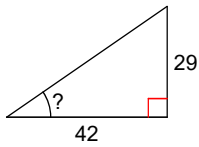


12) $\cos A$

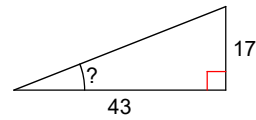


Find the measure of the indicated angle to the nearest degree.

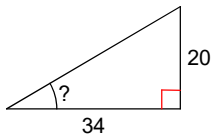
13)



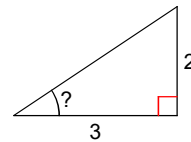
14)



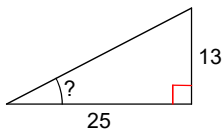
15)



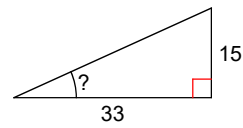
16)



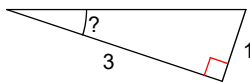
17)



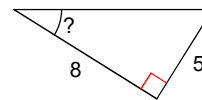
18)



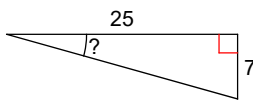
19)



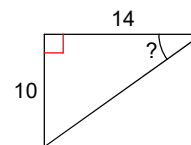
20)



21)



22)



Find each angle measure to the nearest degree.

23) $\tan C = 2.4751$

24) $\tan B = 1.3764$

25) $\cos C = 0.9135$

26) $\sin A = 0.9877$

27) $\cos X = 0.9744$

28) $\cos C = 0.8988$

29) $\sin A = 0.9397$

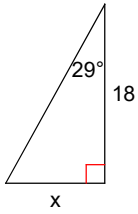
30) $\tan B = 11.4301$

31) $\tan C = 0.2867$

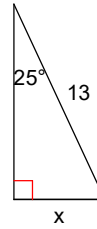
32) $\sin A = 0.9925$

For each triangle, find the length of side x . Round your answers to the nearest tenth.

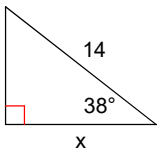
33)



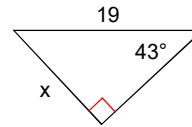
34)



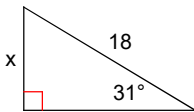
35)



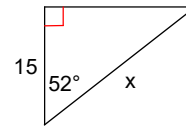
36)



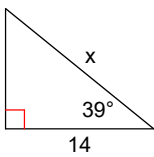
37)



38)



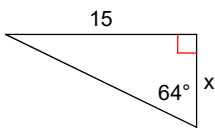
39)



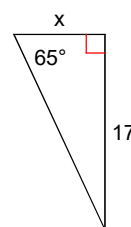
40)



41)

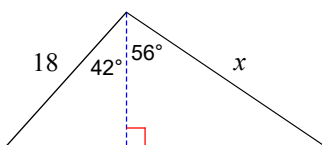


42)



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.

43)



44)

