

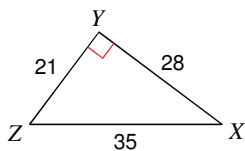
WS 8-4 Trigonometry

© 2013 Kuta Software LLC. All rights reserved.

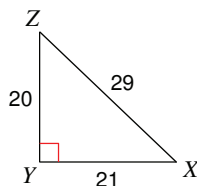
Date _____ Period _____

Find the exact value of each trigonometric ratio.

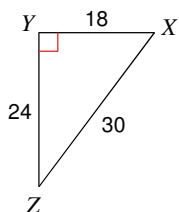
1) $\cos X$



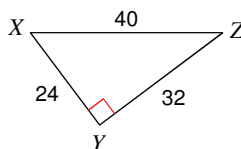
2) $\cos Z$



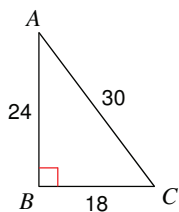
3) $\sin X$



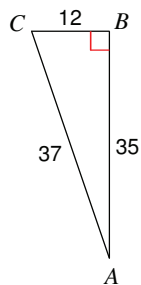
4) $\tan X$



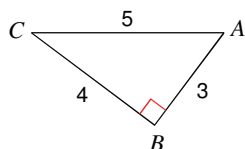
5) $\cos C$



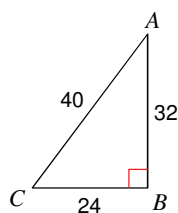
6) $\cos A$



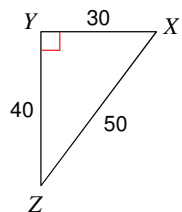
7) $\sin A$



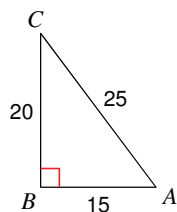
8) $\sin A$



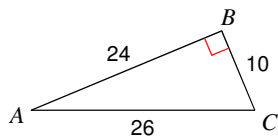
9) $\tan X$



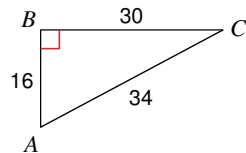
10) $\sin C$



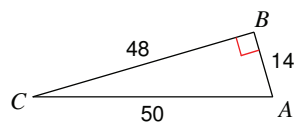
11) $\sin C$



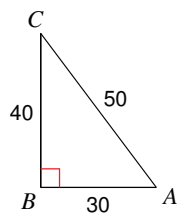
12) $\cos A$



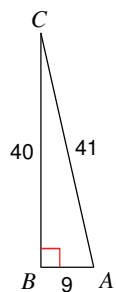
13) $\tan A$



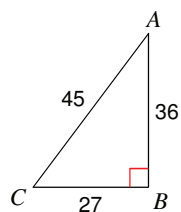
14) $\tan C$



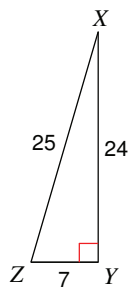
15) $\tan A$



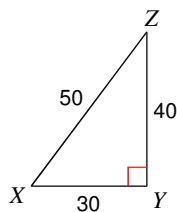
16) $\cos C$



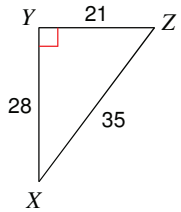
17) $\tan X$



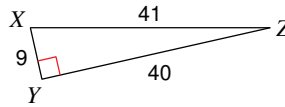
18) $\sin Z$



19) $\cos Z$



20) $\tan Z$



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

21) $\sin 74^\circ$

22) $\cos 87^\circ$

23) $\sin 55^\circ$

24) $\sin 65^\circ$

25) $\cos 19^\circ$

26) $\cos 4^\circ$

27) $\tan 89^\circ$

28) $\cos 17^\circ$

29) $\cos 6^\circ$

30) $\sin 85^\circ$

31) $\sin 78^\circ$

32) $\sin 63^\circ$

33) $\tan 75^\circ$

34) $\sin 76^\circ$

35) $\tan 6^\circ$

36) $\tan 20^\circ$

37) $\cos 8^\circ$

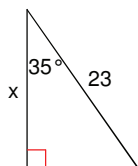
38) $\cos 27^\circ$

39) $\tan 58^\circ$

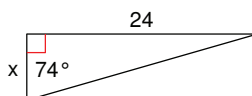
40) $\tan 37^\circ$

Find the missing side. Round to the nearest tenth.

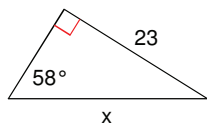
41)



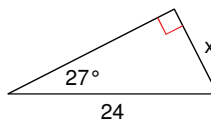
42)



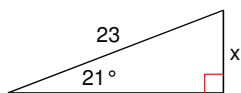
43)



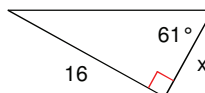
44)



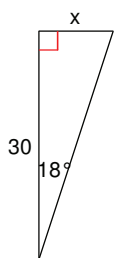
45)



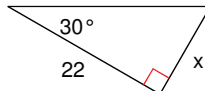
46)



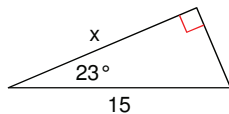
47)



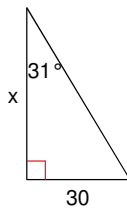
48)



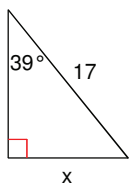
49)



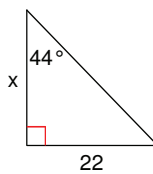
50)



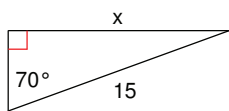
51)



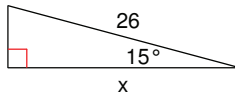
52)



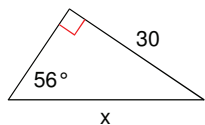
53)



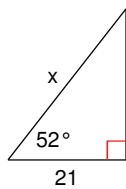
54)



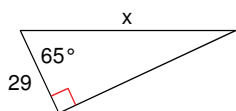
55)



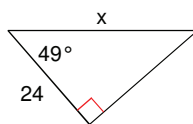
56)



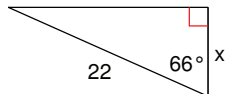
57)



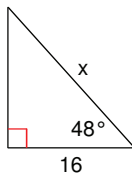
58)



59)



60)



Find each angle measure to the nearest degree.

61) $\tan Y = 11.4301$

62) $\cos Z = 0.9781$

63) $\tan A = 2.0503$

64) $\sin A = 0.7547$

65) $\tan B = 0.4663$

66) $\sin X = 0.9272$

67) $\sin A = 0.7314$

68) $\tan X = 0.6494$

69) $\cos U = 0.1908$

70) $\tan Z = 0.2867$

71) $\cos X = 0.3256$

72) $\cos B = 0.9986$

73) $\sin V = 0.8572$

74) $\cos Z = 0.9998$

75) $\cos C = 0.1564$

76) $\sin Y = 0.8480$

77) $\tan Y = 1.0355$

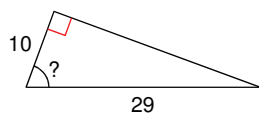
78) $\cos Z = 0.0000$

79) $\sin X = 0.7431$

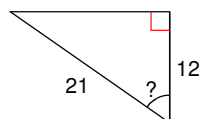
80) $\sin U = 0.9336$

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

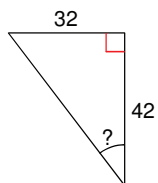
81)



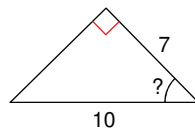
82)



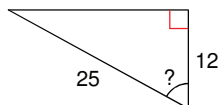
83)



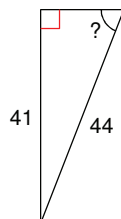
84)



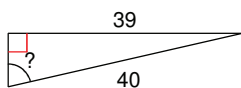
85)



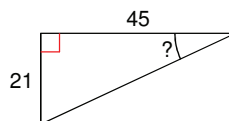
86)



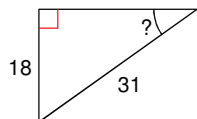
87)



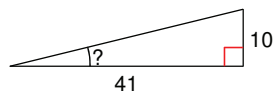
88)



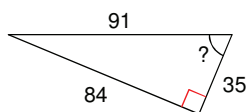
89)



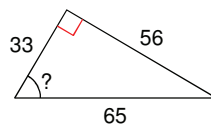
90)



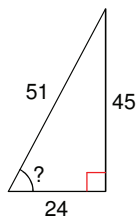
91)



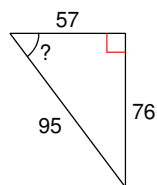
92)



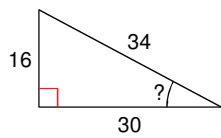
93)



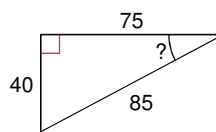
94)



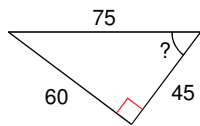
95)



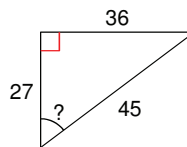
96)



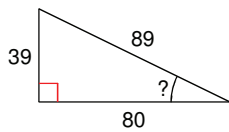
97)



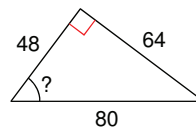
98)



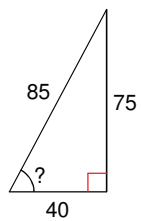
99)



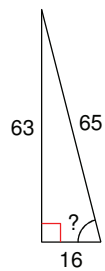
100)



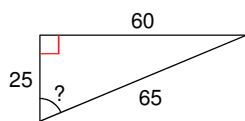
101)



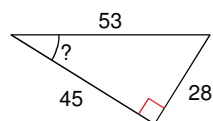
102)



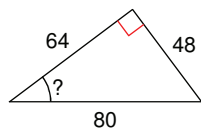
103)



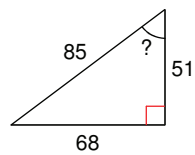
104)



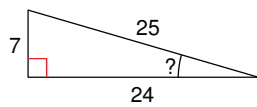
105)



106)



107)



108)

