

Trig Ratios Practice

Find the value of each trigonometric ratio using a calculator.

1) $\sin 12^\circ$

2) $\cos 14^\circ$

3) $\cos 52^\circ$

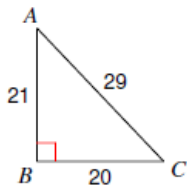
4) $\cos 24^\circ$

5) $\tan 51^\circ$

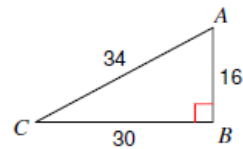
6) $\cos 35^\circ$

Find the value of each trigonometric ratio.

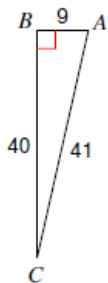
7) $\cos C$



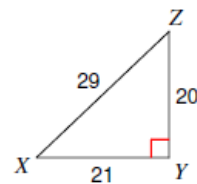
8) $\cos A$



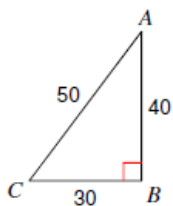
9) $\cos C$



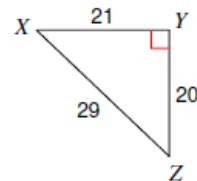
10) $\tan Z$



11) $\tan A$

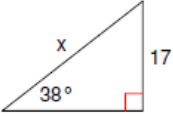


12) $\cos X$

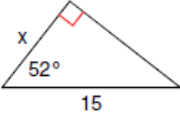


Find the missing side.

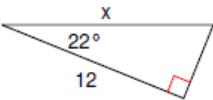
13)



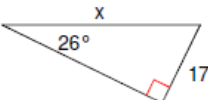
14)



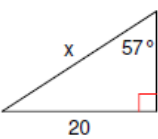
15)



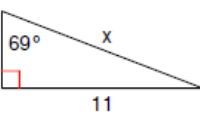
16)



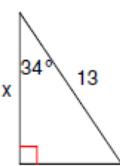
17)



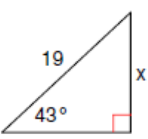
18)



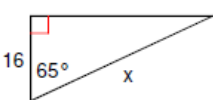
19)



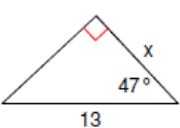
20)



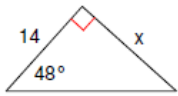
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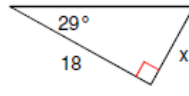
22)



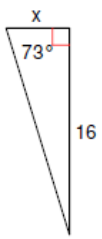
23)



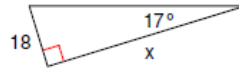
24)



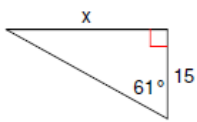
25)



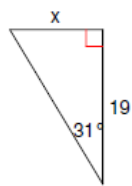
26)



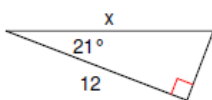
27)



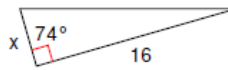
28)



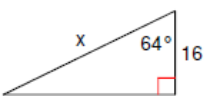
29)



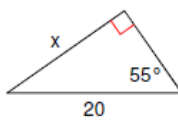
30)



31)

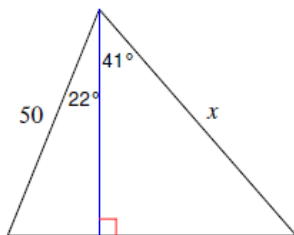


32)

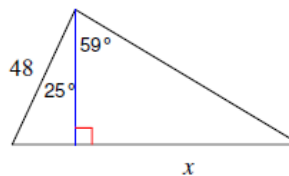


Find the length of the side labeled x .

33)



34)

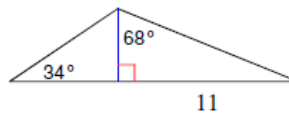


Find the area of each triangle.

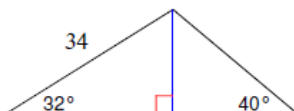
35)



36)



37)



38)



Answers

1) 0.2079

5) 1.2349

9) $\frac{40}{41}$

13) 27.6

17) 23.8

21) 37.9

25) 4.9

29) 12.9

33) 61.5

37) 452.7

2) 0.9703

6) 0.8192

10) $\frac{21}{20}$

14) 9.2

18) 11.8

22) 8.9

26) 58.9

30) 4.6

34) 72.4

38) 99.6

3) 0.6157

7) $\frac{20}{29}$

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

15) 12.9

19) 10.8

23) 15.5

27) 27.1

31) 36.5

35) 847.8

4) 0.9135

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

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

16) 38.8

20) 13.0

24) 10.0

28) 11.4

32) 16.4

36) 38.5