

# Measuring Distances with Trigonometric Ratios ... Set 2

## Trig Ratios Practice

Find the value of each trigonometric ratio using a calculator.

1)  $\sin 12^\circ$

2)  $\cos 14^\circ$

3)  $\cos 52^\circ$

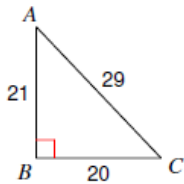
4)  $\cos 24^\circ$

5)  $\tan 51^\circ$

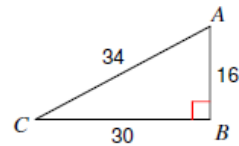
6)  $\cos 35^\circ$

Find the value of each trigonometric ratio.

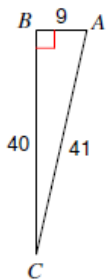
7)  $\cos C$



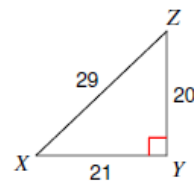
8)  $\cos A$



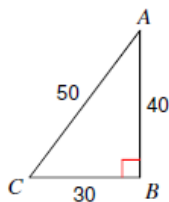
9)  $\cos C$



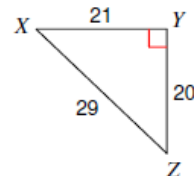
10)  $\tan Z$



11)  $\tan A$



12)  $\cos X$



## Measuring Distances with Trigonometric Ratios ... Set 2

### Answers

1) 0.2079

2) 0.9703

3) 0.6157

4) 0.9135

5) 1.2349

6) 0.8192

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

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

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

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

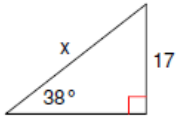
11)  $\frac{3}{4}$

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

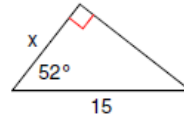
# Measuring Distances with Trigonometric Ratios ... Set 2

Find the missing side.

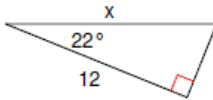
13)



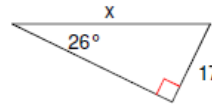
14)



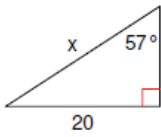
15)



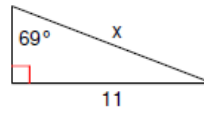
16)



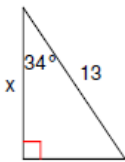
17)



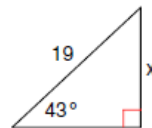
18)



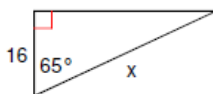
19)



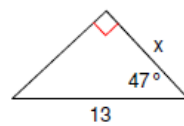
20)



21)



22)



## Measuring Distances with Trigonometric Ratios ... Set 2

### Answers

13) 27.6

14) 9.2

15) 12.9

16) 38.8

17) 23.8

18) 11.8

19) 10.8

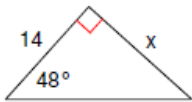
20) 13.0

21) 37.9

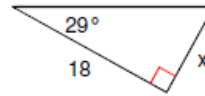
22) 8.9

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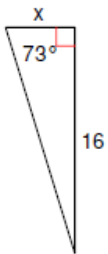
23)



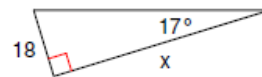
24)



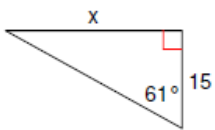
25)



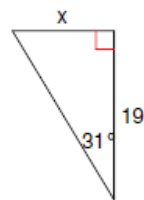
26)



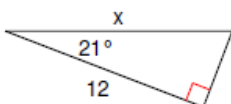
27)



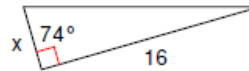
28)



29)



30)



## Measuring Distances with Trigonometric Ratios ... Set 2

### Answers

23) 15.5

24) 10.0

25) 4.9

26) 58.9

27) 27.1

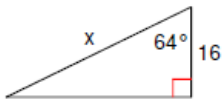
28) 11.4

29) 12.9

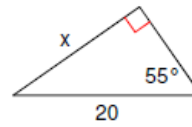
30) 4.6

## Measuring Distances with Trigonometric Ratios ... Set 2

31)

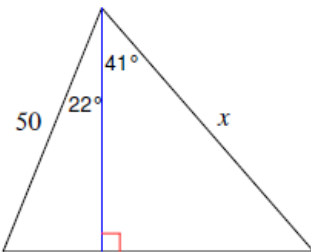


32)

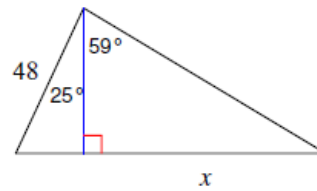


**Find the length of the side labeled  $x$ .**

33)

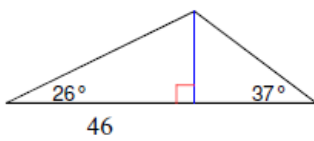


34)

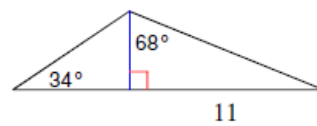


**Find the area of each triangle.**

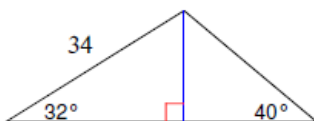
35)



36)



37)



38)



## Measuring Distances with Trigonometric Ratios ... Set 2

### Answers

31) 36.5

32) 16.4

33) 61.5

34) 72.4

35) 847.8

36) 38.5

37) 452.7

38) 99.6