

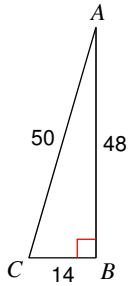
Practice Quiz - Basic Trig functions: sine, cosine, and tangent

Date _____

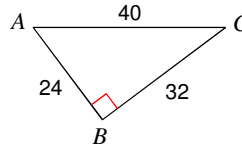
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Find the value of each trigonometric ratio, leave each fraction with original numbers. Do not reduce.

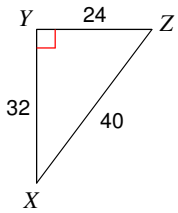
1) $\sin C$



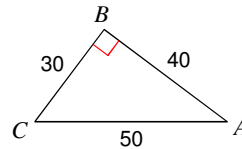
2) $\sin A$



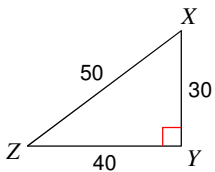
3) $\cos Z$



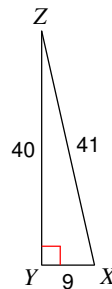
4) $\cos C$



5) $\tan X$



6) $\tan Z$



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

7) $\sin 18^\circ$

8) $\sin 29^\circ$

9) $\cos 39^\circ$

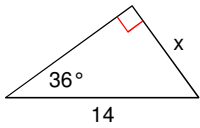
10) $\cos 42^\circ$

11) $\tan 9^\circ$

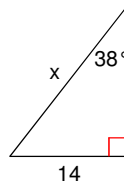
12) $\tan 29^\circ$

Find the missing side. Round to the nearest tenth.

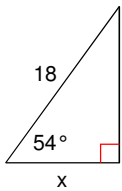
13)



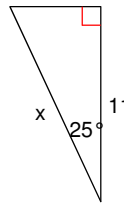
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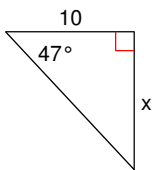
15)



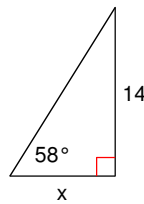
16)



17)



18)



Find each angle measure to the nearest degree.

19) $\tan Z = 0.2867$

20) $\tan V = 6.3138$

21) $\sin U = 0.9816$

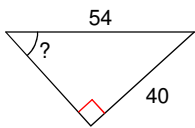
22) $\sin V = 0.7771$

23) $\cos B = 0.5299$

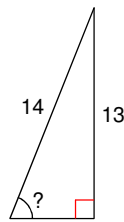
24) $\cos W = 0.5878$

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

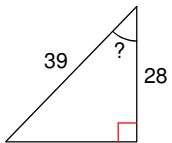
25)



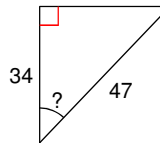
26)



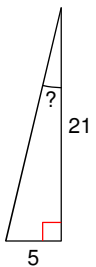
27)



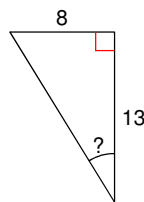
28)



29)

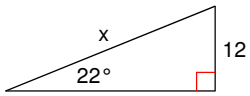


30)



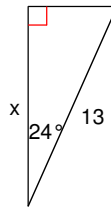
Find the missing side. Round to the nearest tenth.

31)



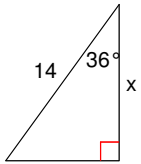
- A) 32.0 B) 4.5
C) 44.4 D) 38.0

32)



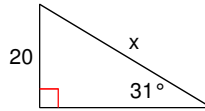
- A) 11.9 B) 15.6
C) 8.2 D) 14.2

33)



- A) 11.3 B) 17.3
C) 13.5 D) 8.9

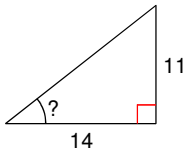
34)



- A) 38.8 B) 26.7
C) 48.7 D) 10.3

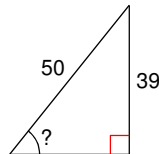
Find the measure of the indicated angle to the nearest degree.

35)



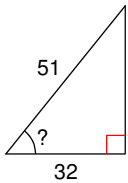
- A) 52° B) 15°
C) 38° D) 43°

36)



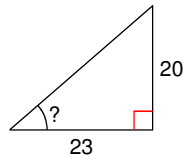
- A) 38° B) 51°
C) 39° D) 52°

37)



- A) 58° B) 32°
C) 50° D) 51°

38)



- A) 41° B) 30°
C) 60° D) 21°

Answers to Practice Quiz - Basic Trig functions: sine, cosine, and tangent

1) $\frac{24}{25}$

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

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

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

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

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

7) 0.3090

8) 0.4848

9) 0.7771

10) 0.7431

11) 0.1584

12) 0.5543

13) 8.2

14) 22.7

15) 10.6

16) 12.1

17) 10.7

18) 8.7

19) 16°

20) 81°

21) 79°

22) 51°

23) 58°

24) 54°

25) 48°

26) 68°

27) 44°

28) 44°

29) 13°

30) 32°

31) A

32) A

33) A

34) A

35) C

36) B

37) D

38) A