

Right Angled Trigonometry Work Sheet

Date _____

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

1) $\tan 68^\circ$

2) $\sin 68^\circ$

3) $\tan 47^\circ$

4) $\sin 47^\circ$

5) $\cos 71^\circ$

6) $\tan 26^\circ$

7) $\sin 45^\circ$

8) $\cos 0^\circ$

9) $\cos 3^\circ$

10) $\tan 86^\circ$

11) $\tan 85^\circ$

12) $\cos 81^\circ$

13) $\sin 36^\circ$

14) $\sin 58^\circ$

15) $\tan 17^\circ$

16) $\cos 1^\circ$

Find each angle measure to the nearest degree.

17) $\sin B = 0.7547$

18) $\cos B = 0.4848$

19) $\sin Z = 0.8387$

20) $\tan C = 2.0503$

21) $\sin Y = 0.8660$

22) $\cos B = 0.3090$

23) $\cos Y = 0.1736$

24) $\sin Y = 0.7314$

25) $\sin B = 0.6157$

26) $\cos X = 0.9994$

27) $\cos X = 0.1219$

28) $\tan X = 0.4877$

29) $\cos Y = 0.3420$

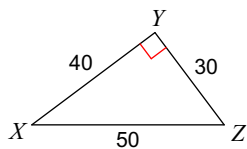
30) $\sin B = 0.8572$

31) $\tan X = 14.3007$

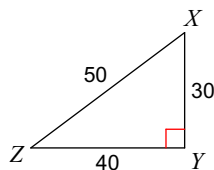
32) $\tan C = 0.2309$

Find the value of each trigonometric ratio. YOUR ANSWER IS A FRACTION IN LOWEST TERMS

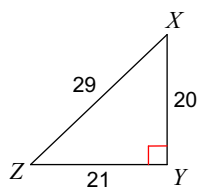
33) $\tan Z$



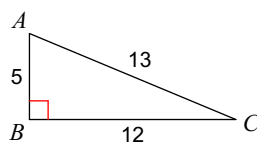
34) $\tan Z$



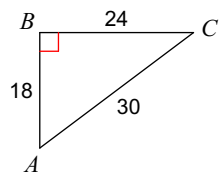
35) $\tan Z$



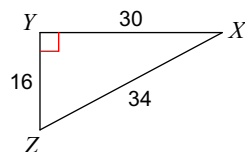
36) $\sin A$



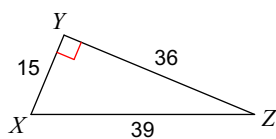
37) $\cos A$



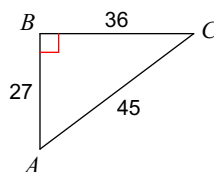
38) $\sin Z$



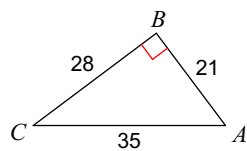
39) $\cos X$



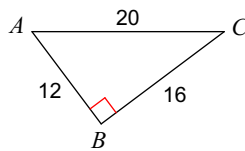
40) $\tan A$



41) $\sin A$

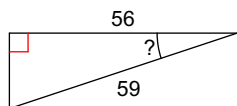


42) $\cos C$

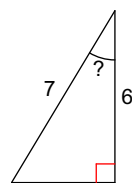


Find the measure of the indicated angle to the nearest degree.

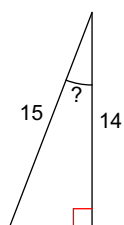
43)



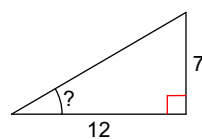
44)



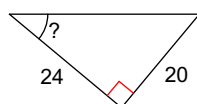
45)



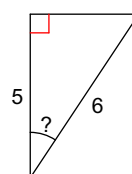
46)



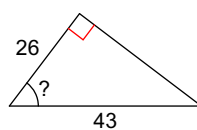
47)



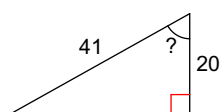
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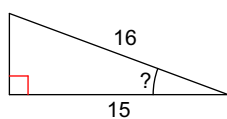
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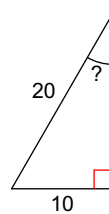
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51)

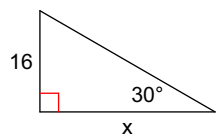


52)

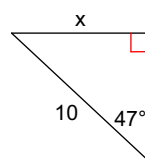


Find the missing side. Round to the nearest tenth.

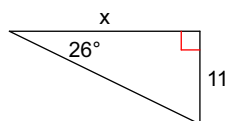
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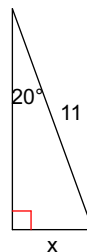
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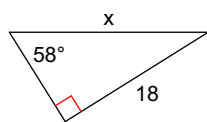
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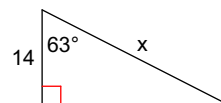
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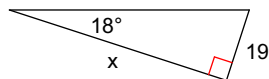
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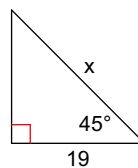
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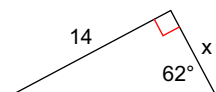
59)



60)



61)



62)

