

SOHCAHTOA - Finding missing sides

For questions #1-3, find the value of each trigonometric ratio as a decimal to the nearest ten-thousandth (four decimal places).

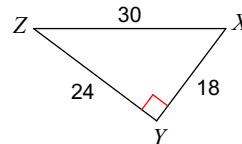
For questions 4-6, find the value of each trigonometric ratio as a reduced fraction.

1)  $\sin 77^\circ$

2)  $\cos 55^\circ$

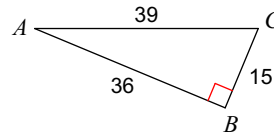
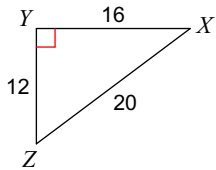
3)  $\tan 76^\circ$

4)  $\sin Z$



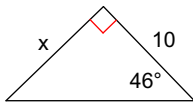
5)  $\cos X$

6)  $\tan C$

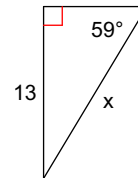


Find the missing side. Round to the nearest tenth.

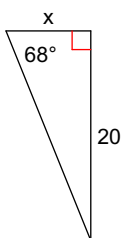
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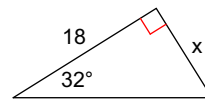
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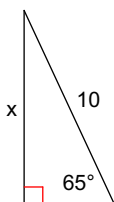
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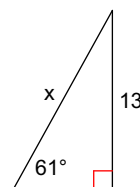
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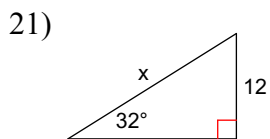
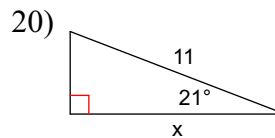
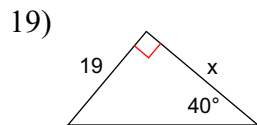
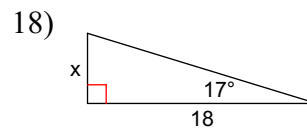
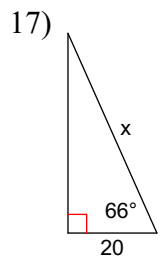
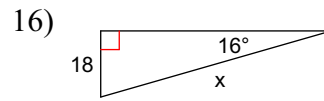
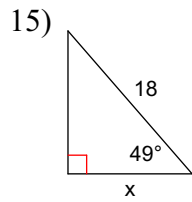
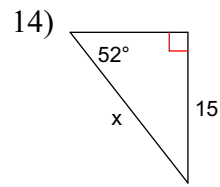
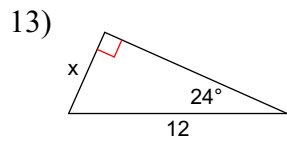


11)



12)





**Find the length of the side labeled  $x$ . Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.**

