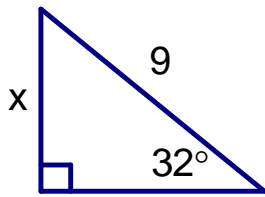
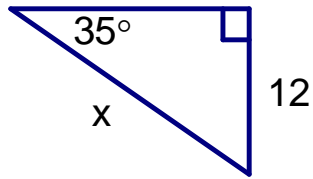


Solve for  $x$ . Round to the nearest hundredth.

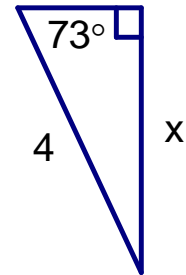
1.



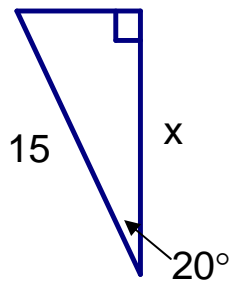
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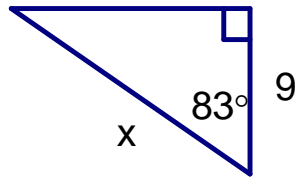
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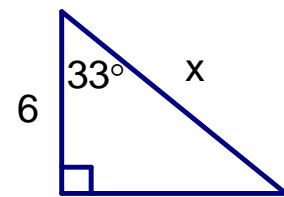
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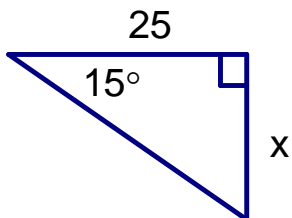
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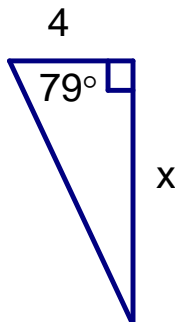
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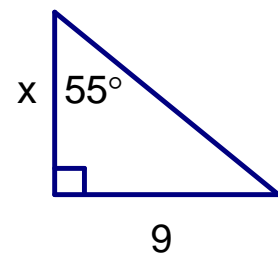
7.



8.



9.



10. hypotenuse is 12, an angle is  $12^\circ$ , find the side opposite the angle

11. hypotenuse is 32, an angle is  $65^\circ$ , find the side adjacent to the angle

12. an angle is  $40^\circ$ , the side opposite is 19, find the adjacent side

13. an angle is  $76^\circ$ , the side opposite is 3, find the hypotenuse

14. an angle is  $63^\circ$ , the side adjacent is 28, find the hypotenuse

15. an angle is  $52^\circ$ , the side adjacent is 66, find the opposite side

Find the following trig ratios by using your calculator. Round to the nearest hundredth.

16.  $\sin(25^\circ)=$

17.  $\cos(65^\circ)=$

18.  $\sin(70^\circ)=$

19.  $\cos(20^\circ)=$

20.  $\sin(13^\circ)=$

21.  $\cos(77^\circ)=$

22.  $\sin(67^\circ)=$

23.  $\cos(23^\circ)=$

24. How do the angles in 16 & 17, 18 & 19, 20 & 21, and 22 & 23 relate?

25. What did you notice about the trig ratio value of 16 & 17, 18 & 19, 20 & 21, and 22 & 23?