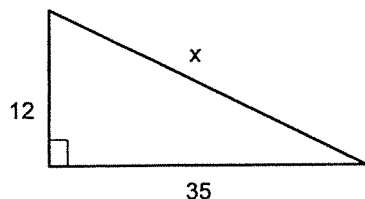


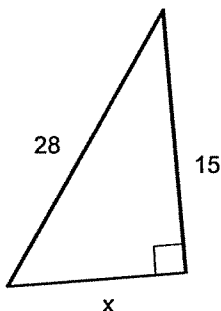
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Find each missing side using the Pythagorean Theorem. Round to the nearest hundredth when needed.

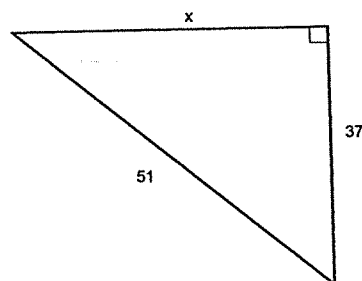
1.



2.



3.



Are each group of three lengths sides of a right triangle?

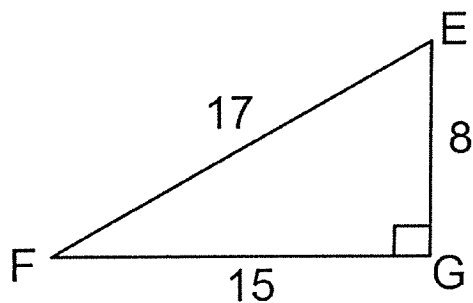
4. 9, 15, 17

5. 18, 80, 82

6. 16, 63, 65

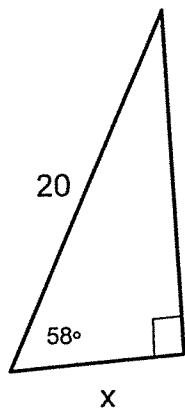
7. Use $\triangle EFG$ to find each trig ratio as a fraction.

a) $\cos E$ b) $\sin F$ c) $\tan E$ d) $\sin E$ e) $\tan F$ f) $\cos F$

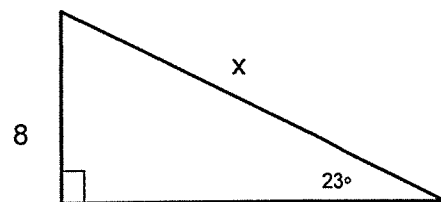


Find the missing side in each triangle using one of the trigonometric ratios. Round to the nearest hundredth.

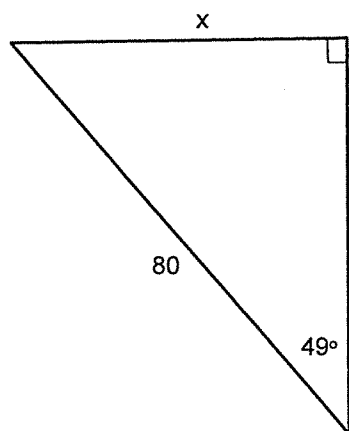
8.



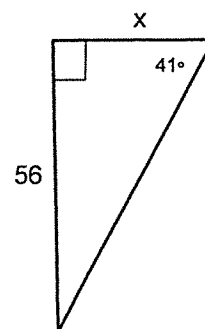
9.



10.



11.



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ANSWERS

1. $x = 37$ 2. $x = 23.64$ 3. $x = 35.10$ 4. *NO*

5. *Yes*

6. *Yes*

7. a) $\frac{8}{17}$ b) $\frac{8}{17}$ c) $\frac{15}{8}$ d) $\frac{15}{17}$ e) $\frac{8}{15}$ f) $\frac{15}{17}$

8. $x = 10.60$ 9. $x = 20.47$ 10. $x = 60.38$

11. $x = 64.42$