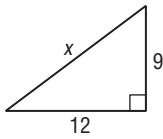


8-2 Skills Practice

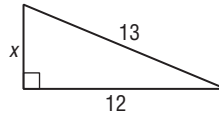
The Pythagorean Theorem and Its Converse

Find x .

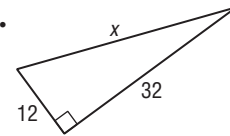
1.



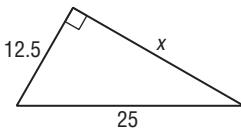
2.



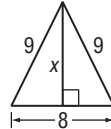
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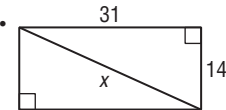
4.



5.

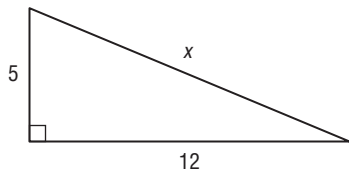


6.

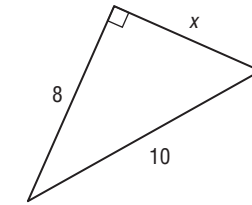


Use a Pythagorean Triple to find x .

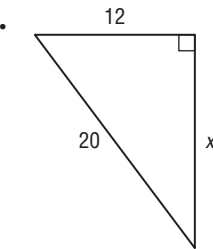
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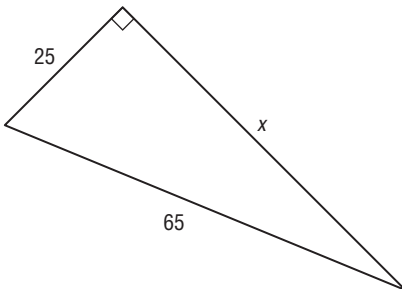
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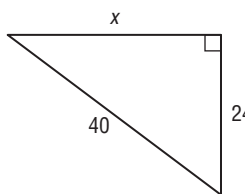
9.



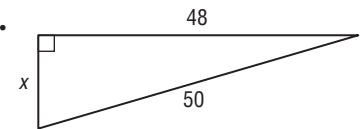
10.



11.



12.



Determine whether each set of numbers can be measure of the sides of a triangle. If so, classify the triangle as *acute*, *obtuse*, or *right*. Justify your answer.

13. 7, 24, 25

14. 8, 14, 20

15. 12.5, 13, 26

16. $3\sqrt{2}$, $\sqrt{7}$, 4

17. 20, 21, 29

18. 32, 35, 70